Privileged and Confidential Joint Defense Communication

SBA Shipyard Site PRP Group

Jennings, LA

July 26, 2022

Michael Torres United States Environmental Protection Agency Region 6 1445 Ross Avenue, Suite 1200 Dallas, TX 75202-2733

RE: 2021 Fish Tissue Sampling Results - SBA Shipyard Superfund Site, Jennings, Jefferson Davis Parish, Louisiana (LDEQ AI Number 1478)

Dear Mr. Torres:

The SBA Shipyard Site Potentially Responsible Parties (PRP) Group (referred to herein as SBA PRP Group) is providing the enclosed *Fish Tissue Sampling Results* technical report (FTSR Tech Report) for the SBA Shipyard Superfund Site (Site) located in Jennings, Jefferson Davis Parish, Louisiana. The FTSR Tech Report summarizes field activities and provides fish tissue results based on the Fish Tissue Sampling Work Plan ("Work Plan"), dated April 23, 202, that was reviewed and approved by the United States Environmental Protection Agency (USEPA) on May 17, 2021. Technical comments provided by USEPA and the Louisiana Department of Environmental Quality (LDEQ) in separate correspondence dated November 2, 2020, January 20, 2021, and March 17, 2021, were considered and incorporated into the Work Plan.

Pursuant to the Work Plan, a fish advisory determination was conducted utilizing fish and crawfish tissue samples collected in May and June 2021. In addition to the Site and background Mermentau River fish and crawfish datasets used in the assessment, existing regional fish tissue datasets collected for the Louisiana mercury monitoring program also were considered. The following are the conclusions of the fish advisory determination:

- A robust fish and crawfish tissue dataset was collected to support the determination of a fish consumption advisory based on the approved Work Plan.
- There were no Site exposure point concentrations (EPCs) that exceeded their respective COPC-specific fish tissue screening levels (TSL), including:
 - EPCs based on species tissue composite averages of Site features for R-methylmercury or polycyclic aromatic hydrocarbons (PAHs) in the tissue of fish and crawfish samples.
 Additionally, the PAH Site EPCs were several orders of magnitude below their respective TSLs.
 - EPCs based on composite sample results (not averages) to account for sample size considerations for organotins in the tissue of fish samples.
- An outlier assessment for R-methylmercury found that there were no individual fish or crawfish tissue samples in Site features that exceeded the COPC-specific TSL (Error! Reference source not found.).
- There was one upriver bass and one downriver catfish tissue sample representing background in the Mermentau River that exceeded the TSL for R-methylmercury. Additionally, the downriver crawfish EPC exceeded the TSL for benzo[a]pyrene.

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- Fish tissue Site EPCs were less than the background EPCs while crawfish tissue Site EPCs were similar to background samples.
- The Site R-methylmercury fish tissue concentrations were less than or similar to background concentrations found in the Mermentau River and in the upriver and downriver Bayous in the vicinity of the Site.

If you should need additional information, please contact Jon Hamilton at 225-610-3304 or via email at <u>jon.hamilton@ehs-support.com</u>.

Sincerely,

Jon M. Hamilton, P.G. Senior Project Manager

cc: Estuardo Silva, LDEQ
Tommy Doran, LDEQ
Blake Atkins, USEPA
SBA Shipyard Site PRP Group



MEMO

To: Michael Torres, United States Environmental Protection Agency – Region 6

From: Jon Hamilton, EHS Support LLC

Scott Lindenmuth, EHS Support LLC

CC: Tommy Doran, Louisiana Department of Environmental Quality

Date: July 26, 2022

Re: SBA Shipyard Superfund Site – 2021 Fish Tissue Sampling Results

1 Introduction

On behalf of the SBA Shipyard PRP Group ("SBA Group"), EHS Support LLC ("EHS Support") has prepared this Fish Tissue Sampling Results Technical Report ("FTSR Tech Report") for the SBA Shipyard Superfund Site ("Site") located in Jennings, Jefferson Davis Parish, Louisiana (Figure 1, attached). This FTSR Tech Report satisfies the objectives of the Fish Tissue Sampling Work Plan ("Work Plan"), dated April 23, 2021 (EHS Support, 2021a), that was reviewed and approved by the United States Environmental Protection Agency (USEPA) on May 17, 2021. Technical comments provided by USEPA and the Louisiana Department of Environmental Quality (LDEQ) in separate correspondence dated November 2, 2020, January 20, 2021, and March 17, 2021, were considered and incorporated into the Work Plan.

1.1 Background and Investigation Objectives

As presented in the Work Plan, the purpose of this supplemental Remedial Investigation/Feasibility Study (RI/FS) investigative study is to assess the potential for human exposure to Site-related constituents of potential concern (COPCs) from the consumption of recreationally caught fish and crawfish. The fish and crawfish tissue sampling proposed within the Work Plan was designed to satisfy the following objectives:

- Address LDEQ comment No. 5, dated April 9, 2020, on the Baseline Human Health Risk Assessment (BHHRA) Work Plan ("BHHRA Work Plan") and the updated BHHRA Conceptual Exposure Model (CEM), dated October 23, 2019 (EHS Support, 2019b).
- Address USEPA and LDEQ requests for characterization of organotins, if warranted, based on results of the *Organotins Sediment Sampling Work Plan* ("Organotins Work Plan"), dated April 23, 2021 (EHS Support, 2021b),
- Provide a robust dataset to support determination of whether a fish consumption advisory may be warranted.

 $^{^{1}}$ The USEPA approved the Work Plan as written in May 2021



This FTSR Tech Report provides the results of the supplemental RI/FS investigative study, including:

- Analytical results for fish and crawfish tissue samples to support the determination of whether a fish consumption advisory may be warranted.
- Results of the Protocol for Issuing Public Health Advisories for Chemical Contaminants in Recreationally Caught Fish and Shellfish ("Protocol"; LDHH et al., 2012) evaluation to determine if a fish consumption advisory is warranted for Site-related COPCs.

As discussed in the Work Plan, the 2018 RI/FS sampling program was designed using an iterative investigation approach that included characterization of Site and background conditions (EHS Support, 2018). In accordance with that approach, the fish and crawfish tissue sampling program included upriver and downriver background sampling locations on the Mermentau River to characterize representative regional background conditions.

Based on previous sediment sampling concentrations and in accordance with the Work Plan, mercury and polycyclic aromatic hydrocarbons (PAHs) were retained as target analytes for the potential ingestion of fish and crawfish exposure pathway. In addition to these Site-related COPCs selected as target analytes, organotins and polychlorinated dibenzodioxins (dioxins) and dibenzofurans (furans) were assessed separately for inclusion as target analytes to support the determination of a fish consumption advisory. The following are the salient conclusions and recommendations of these assessments, and the reader is referred to the referenced reports for additional details:

- Based on the findings of the Organotins Sediment Sampling Results Technical Report (EHS Support, 2021c), the estimated organotin concentration in fish tissue calculated using the biotasediment accumulation factor (BSAF) approach did not warrant inclusion as a Site-related COPC in the RI/FS based on human health and ecological exposures. However, to address agency concerns regarding the BSAF approach, Phase 1 of the Fish Tissue Contingency Plan (Table 1-1), which was approved by USEPA on May 16, 2022, was implemented to provide empirical data as an additional line-of-evidence regarding potential concentrations of organotins in fish tissue at the SBA Shipyard Site. The results of the laboratory analysis for Phase 1 have been assessed and are detailed in Section 3.0.
- Based on the findings of the Dioxins and Furans Sediment Sampling Results Technical Report
 (EHS Support, 2021e), the analytical evaluation of dioxins and furans in sediment samples did
 not warrant inclusion as a target analyte in the recreational fisher ingestion pathway as on-site
 conditions are reflective of regional background conditions.

Table 1-1 Fish Tissue Contingency Plan for Organotins

Dhasa	Tissue Sample	Decision Point		
Phase		Criteria	Action	
Phase 1	Catfish and bass tissue - Dry Dock and background	Maximum Dry Dock Catfish/Bass Tissue < TSL	No further assessment	
		Maximum Dry Dock Catfish/Bass tissue > TSL	Further assessment warranted - Phase 2	
		Site versus background Catfish/Bass tissue	Perspective on regional tissue enrichment	



Phase	Tiesus Commis	Decision Point		
Phase	Tissue Sample	Criteria	Action	
Phase 2	Catfish and bass tissue - other Site areas	Mean Site Catfish/Bass tissue < TSL	No further assessment	
		Mean Site Catfish/Bass tissue > TSL	Additional comprehensive assessment	
	Crawfish ¹ tissue - Site areas and background	Mean Site Crawfish tissue	No further assessment	
		Mean Site Crawfish tissue > TSL	Additional comprehensive assessment	
		Site versus background Crawfish tissue	Perspective on regional tissue enrichment	

¹ Crawfish habitat sampled May 18, 2021 (IAI-8 Off-Site Wetland Drainage) not included because area not potential source of a TBT release.

2 Field Sampling and Laboratory Analysis Overview

Fish and crawfish tissue samples were collected in accordance with the approved Work Plan during two separate field mobilizations: May 17, 2021 through May 21, 2021 and June 13, 2021 through June 23, 2021. Separate field mobilizations were required because flooding on the Mermentau River precluded safe access to the Site and safe working conditions on the river, preventing further collections until the week of June 13, 2021 (Figure 2, attached). During the May field sampling event, air temperatures averaged 72 degrees Fahrenheit (°F), and total rainfall was 6.9 inches. During the June sampling event, air temperatures averaged 82.5 °F, and total rainfall was 1.4 inches (National Oceanic and Atmospheric Administration [NOAA], 2021). The Mermentau River gauge at Mermentau (United States Geologic Survey [USGS] gauge 08012150) averaged 14,529 cubic feet per second (CFS) during the May field sampling event and 1,243 CFS during the June sampling event (USGS, 2021). Figure 2 (attached) presents the Mermentau River stage over both sampling periods.

2.1 Crawfish Collection Results

Crawfish composite samples² were collected from each of the following areas in May and June 2021 (**Figure 3a, 3b, and 3c**, attached):

- IAC-6 Barge Slip
- IAI-6 Vessel Slip 1 on Northern Property
- IAI-7 Vessel Slip 2 on Northern Property
- IAC-5 Barge Cleaning Area Drainage Ditch
- IAI-1 Southern Wetland Area

² The abdomen tissue and hepatopancreas from each crawfish within the composite sample was removed by the analytical laboratory and homogenized prior to analytical analysis. The remaining crawfish components (e.g., carapace, gills, exoskeleton, etc.) were not analyzed.



- IAI-8 Off-Site Wetland Area
- Upriver Background Mermentau River
- Downriver Background Mermentau River

Crawfish were successfully collected from targeted areas except the Dry Dock (IAC-7). Only one crawfish was captured in the Dry Dock (IAC-7) despite extensive sampling efforts (42 trap sets and 927 trap hours) over the May and June sampling events. The lack of crawfish in the Dry Dock (IAC-7; one crawfish specimen collected was insufficient volume for analysis) is consistent with the industrialized conditions (i.e., modified and disturbed habitat) and poor benthic substrates of this feature. The number of crawfish comprising each composite sample is presented in **Table 1** (attached). Crawfish composite samples were comprised of red swamp crawfish (*Procambarus clarkii*) and southern white river crawfish (*P. zonangulus*) of similar size (i.e., carapace length).

2.2 Fish Collection Results

Collected Fish were categorized into Predators ("bass"), and bottom feeders ("catfish"). Fish samples were collected from the following areas in May and June 2021 (Figure 4a, 4b, and 4c, attached):

- Predator: Largemouth Bass (Micropterus salmoides)
 - IAC-7 Dry Dock
 - o Upriver Background Location on Mermentau River
- Bottom Feeder: Blue Catfish (Ictalurus furcatus)
 - IAC-6 Barge Slip
 - IAI-6 Vessel Slip 1 on Northern Property3
 - o IAI-7 Vessel Slip 2 on Northern Property
 - IAC-7 Dry Dock
 - o Upriver Background Mermentau River
 - o Downriver Background Mermentau River

Detailed sample collection results are presented in **Table 1** (attached). Largemouth Bass were not collected in any areas other than the Dry Dock (IAC-7) and upriver background area on the Mermentau River despite extensive efforts electrofishing and with other gear types (e.g., gill nets, jug lines, trot lines). This low catch rate of bass is consistent with the Mermentau River Fishing group reports and interviews with members of LDEQ, which have suggested low abundances of bass in the Mermentau River. Additionally, Spotted Bass (*M. punctulatus*) were not observed during collections. In contrast to the low number of bass encountered, bottom feeders were found in targeted areas. Blue Catfish was the predominant bottom feeder observed and was selected for tissue analysis instead of Channel Catfish, which were encountered less frequently. Blue Catfish were sampled at all locations except for the Northern Vessel Slip (IAI-6), where only a single Channel Catfish was collected and sampled. Catfish were encountered more frequently in the upriver and downriver background areas on the Mermentau River and Dry Dock (IAC-7) than the Barge Slip (IAC-6) and Northern Vessel Slips (IAI-6 and IAI-7). Detailed information on sample composites is provided in **Table 1** (attached).

³ Blue Catfish were collected from targeted areas except for IAI-6 where only Channel Catfish (*I. punctatus*) were encountered and submitted for analytical analysis of tissue.



Similar sizes of target species were sampled within feeding groups at each area (**Table 1**, attached) with catfish ranging from 330 millimeters (mm) total length (TL) to 442 mm TL and Largemouth Bass ranging from 276 mm TL to 316 mm TL. Overall catches for both bass and catfish groups were low across all areas but were particularly low in the physically degraded habitats of the heavily modified, man-made barge and vessel slip features. One exception was the Dry Dock (IAC-7), which had generally higher catches for all target fish species.

2.3 Laboratory Analysis

Based on the previous sediment sample results, mercury and PAHs were retained as target analytes for the potential ingestion of fish and crawfish exposure pathway.

As noted in the objectives, organotins and dioxins and furans were assessed separately for inclusion as target analytes to support the determination of a fish consumption advisory. Based on these separate assessments, dioxins and furans were not retained as target analytes for the fish and crawfish exposure pathway and organotins were retained for the fish advisory determination, as per the separate assessments cited in **Section 1.1** (Background and Objectives) and **Section 5** (References).

Fish and crawfish tissue samples were submitted to Eurofins Lancaster Laboratories Env, LLC (PAHs, moisture, and lipids), Eurofins Frontier Global Sciences (total mercury [THg] and methylmercury [MeHg]), and ALS Kelso (organotins) for the following analyses of the target analytes for the Site-related COPCs selected in the Work Plan:

- PAHs analyzed by USEPA Method 8270D LL
- THg analyzed by USEPA Method 1631
- MeHg analyzed by USEPA Method 1630
- Organotin analyzed by ALS Kelso SOP CASW SOC-BUTYL Rev. 8, GC-FPD
- Percent lipids
- Percent moisture

The Quality Assurance Project Plan (QAPP) provided to USEPA and LDEQ as Appendix K of the RI/FS Work Plan (EHS Support, 2018) was updated to include the necessary quality assurance/quality control (QA/QC) procedures and protocols (EHS Support, 2021d) and the reader is referred to the updated QAPP for these details. Laboratory analytical packages are included in **Attachment A**.

3 Fish Advisory Determination

A fish advisory determination based on the Protocol (LDHH et al., 2012) was conducted using the fish and crawfish tissue data that are usable for risk-based decision-making. The concentrations of target analytes detected in fish and crawfish tissue were compared to the risk-based screening levels developed in the Work Plan and screening criteria developed by LDEQ, Louisiana Department of Health and Hospitals (LDHH), Louisiana Department of Wildlife and Fisheries (LDWF), and Louisiana Department of Agriculture and Forestry (LDAF) (2012). The results of this comparison, along with a comparison to local and regional background concentrations of target analytes in fish and crawfish tissue, was used to inform the need for a fish advisory. Findings of the fish advisory determination assessment are discussed in **Section 4.0**.



3.1 Data Validation and Usability

Data verification and validation was performed to confirm that laboratory analytical data met the data quality objectives (DQOs) outlined in the RI/FS Work Plan (EHS Support, 2018) and updated QAPP (EHS Support, 2021d). Laboratory analytical results underwent a data usability assessment to establish whether the reported analytical results were of acceptable quality for use in the fish advisory determination and to identify any reported results that were invalid. Following the data usability assessment, 10 percent of laboratory sample delivery group (SDG) reports underwent a Tier II data validation review. Data validation was performed to determine whether the laboratory was operating within applicable limits and which, if any, sample results were related to QC results that were outside control limits. If any data were rejected as a result of data validation, the data were not included in the dataset for the fish advisory determination. Data validation reports are included in **Attachment B**.

Mercury was included as a conservative measure due to the known presence of mercury in waterways regionally, including in the Mermentau River.. There are existing fish consumption advisories for mercury in the three main tributaries forming the Mermentau River that converge upriver from the Site: Bayou Nezpique, Bayou des Cannes, and Bayou Plaquemine Brule. Additionally, there is a fish consumption advisory for mercury in a downriver tributary of the Mermentau River, the Bayou Queue De Tortue. The 2018 RI/FS sampling program included the evaluation of THg in sediments. Microbially mediated conversion of inorganic mercury to organic MeHg in sediments and bioaccumulation in biota is the main exposure pathway for mercury in aquatic ecosystems with the THg detected in fish tissue being predominantly MeHg (Scudder et al., 2009). Environmental factors may affect inorganic mercury methylation, including redox by sulfate reducing bacteria, loss-on-ignition (LOI, a measure of organic matter content), acid-volatile sulfide in bed sediment, pH, dissolved organic carbon (DOC), and dissolved sulfate in water.

Data validation for mercury compounds showed that the concentration ratio of MeHg to THg exceeded the validation qualification of greater than 10 percent in four samples that were qualified with a "J". These four samples also exceeded the laboratory's expected normal variation of 30 percent, one by 100 percent. Both the MeHg Method 1630 (alcohol alkali digestion) and THg Method 1631 (acid digestion) are robust extraction methods for tissue analysis. In fish tissue, MeHg Method 1630 is often more efficient than acidic digestion and "pulls out" a greater percentage of the mercury species (i.e., higher "total" mercury than Method 1631). Therefore, the occurrence of a higher MeHg Method 1630 concentration versus the THg Method 1631 concentration can be due to the more efficient Method 1630 digestion.

As noted above, MeHg is the dominant mercury compound present in fish and crawfish tissue (Scudder et al., 2009); therefore, MeHg was the selected COPC representative of the mercury compounds to be used in the screening assessment. As a conservative measure, the maximum concentration between THg and MeHg was used as the representative COPC concentration for assessing the exposure to mercury compounds in the tissue of fishes and crawfish collected for this FTSR Tech Report. This approach is consistent with the LDEQ mercury monitoring program that sampled fishes for mercury exposure by analyzing for THg tissue concentration and assessing the THg analytical results using the MeHg TSL; and

⁴ https://deq.louisiana.gov/assets/docs/Water/Fish_Swim_Advisories/Fish_Consumption_Advisory_Table-01-02-19_with_sub segments.pdf



the approach supports the use of the maximum of THg or MeHg as representative of the MeHg (R-MeHg) in fish tissue for this FTSR Tech Report. The methodology for the selection of the representative MeHg concentration in fish and crawfish tissue using the mercury compound laboratory analytical data is presented in **Section 3.2**.

PAHs were included as target analytes based on previous sediment results; however, naphthalene was not included in the analytical suite of PAHs selected. Naphthalene was inadvertently reported by the laboratory in the analytical suite of PAHs; however, the Work Plan did not include it as a target analyte, and it was not assessed in the in the fish advisory determination.

3.2 Screening Assessment

The screening assessment evaluated the exposure of target analytes detected in fish and crawfish tissue using the risk-based approach developed in the Work Plan and LDEQ TSL criteria (LDEQ 2012). The risk-based fish tissue screening levels (TSLs) for PAHs were developed in the Work Plan for comparison to the exposure point concentration (EPC). To assess MeHg, a TSL of 230 micrograms per kilogram wet weight (μ g/kg, ww) was used as developed by LDEQ, LDHH, LDWF, and LDAF (2012). For organotins, fish TSLs were calculated for tri-n-butyltin (TBT) and its degradation products n-butyltin and di-n-butyltin based on equations and exposure assumptions in the TSL Guidelines (LDHH et al., 2012).

TSLs for selected non-carcinogenic PAHs in the Work Plan were adjusted because six chemicals (five PAHs and THg) collectively affected a similar target organ (i.e., kidney). Therefore, the Target Individual Hazard Quotient (TIHQ) was adjusted to 0.17 and was used as the Target Cumulative Hazard Index (TCHI) for those six chemicals. Because THg was assessed as MeHg, and the target organ for MeHg is neurological (i.e., not the kidney), the revised TCHI of 0.2 was used to calculate the TSLs for the five PAHs in this fish advisory determination. **Table 3-1** presents the TSLs used in the Screening Assessment.

Table 3-1 Tissue Screening Levels

Chemical	CAS Number	TSL (μg/kg, ww) ¹
Methylmercury	22967-92-6	230
Acenaphthene	83-32-9	70,000
Acenaphthylene ²	208-96-8	14,000
Anthracene	120-12-7	700,000
Benzo[a]anthracene	56-55-3	708
Benzo[a]pyrene	50-32-8	71
Benzo[b]fluoranthene	205-99-2	708
Benzo[g,h,i]perylene ²	191-24-2	14,000
Benzo[k]fluoranthene	207-08-9	7,078
Chrysene	218-01-9	70,778
Dibenz(A,H)Anthracene	53-70-3	71
Fluoranthene	206-44-0	18,667



Chemical	CAS Number	TSL (μg/kg, ww) ¹
Fluorene	86-73-7	46,667
Indeno(1,2,3-C,D)Pyrene	193-39-5	708
Phenanthrene ²	85-01-8	14,000
Pyrene	129-00-0	14,000
Tri-n-butyltin	36643-28-4	230
Di-n-butyltin	14488-53-0	230
n-Butyltin	78763-54-9	230

μg/kg, ww = micrograms per kilogram wet weight

CAS = Chemical Abstracts Service Number

LDEQ = Louisiana Department of Environmental Quality

TSL = tissue screening level

1 = TSL Source: Methylmercury - LDEQ, 2012; PAHs - Work Plan with target organ revision of TCHI = 0.2

2 = Toxicological surrogates were used to develop TSLs due to lack of readily available toxicity values. Pyrene was used as a toxicological surrogate for acenaphthylene, benzo(g,h,i)perylene, and phenanthrene.

The fish and crawfish tissue data were managed electronically and compiled by target analyte, feeding group, and sampling area. **Attachment C** presents tabulated analytical results for the target analytes in the fish and crawfish samples. Statistical analyses of the data were performed in R (R Core Team, 2020). In accordance with the Protocol (LDHH et al., 2012), an arithmetic mean of target analyte composite tissue concentration in wet weight was calculated for each fish or crawfish species to estimate the EPC of the edible fish and crawfish tissue at the Site. The arithmetic mean is the most representative of current exposure conditions (LDHH et al., 2012). In addition, EPCs were calculated for target analyte composite concentrations of fish and crawfish tissue from upriver and downriver background locations in the Mermentau River. The background EPCs provide the relative contribution of regional environmental exposure to the concentrations of Site-related target analyte COPCs identified in tissues from Site features.

As discussed in **Section 3.1**, the representative MeHg (R-MeHg) concentration assessed in this fish advisory determination was the maximum concentration of THg or MeHg identified in the composite fish and crawfish tissue. **Table 3-2** presents the individual THg or MeHg tissue concentrations by feeding group sampled and by Site investigative area (i.e., feature), and provides the selected maximum concentration of R-MeHg concentration used for the screening assessment.



Table 3-2 R-MeHg EPC Concentration Selection

Species	Investigation Area	Total Mercury (μg/kg, ww)	Methylmercury (μg/kg, ww)	Ratio Percentage Methylmercury/ Total Mercury	R-Methylmercury (μg/kg, ww) ¹
Crawfish	IAC-5	25.5	26.6	1.04	26.6
Crawfish	IAC-6	38.1	58.2	1.53	58.2
Crawfish	IAI-1	49.8	34.7	0.70	49.8
Crawfish	IAI-6	41.5	36.5	0.88	41.5
Crawfish	IAI-7	27.3	50.6	1.85	50.6
Crawfish	IAI-8	3.5	7.1	2.01	7.1
Crawfish	MRBKGD-DN	58.2	48.3	0.83	58.2
Crawfish	MRBKGD-UP	48.0	30.9	0.64	48.0
Catfish	IAC-6	132.0	229.0	1.73	229.0
Catfish	IAC-7	141.0	57.7	0.41	141.0
Catfish	IAI-6	70.9	29.9	0.42	70.9
Catfish	IAI-7	128.0	31.6	0.25	128.0
Catfish	MRBKGD-DN	258.0	123.0	0.48	258.0
Catfish	MRBKGD-UP	161.0	67.0	0.42	161.0
Bass	IAC-7	198.0	57.1	0.29	198.0
Bass	MRBKGD-UP	337.0	191.0	0.57	337.0

^{1 =} Representative MeHg is defined as the highest concentration of THg or MeHg. μ g/kg, ww = micrograms per kilogram wet weight

3.2.1 Site Data

Table 3-3 presents the Site Feature EPCs for the target analyte COPCs in each of the representative fish and crawfish samples and the COPC-specific TSL. There were no Site EPCs (i.e., species tissue composite averages of Site features) for the target analyte COPCs in the tissue of the representative fish and crawfish samples that exceeded the COPC-specific TSL (**Table 3-3**). Additionally, PAH Site EPCs were several orders of magnitude below their respective TSLs.



Table 3-3 Site Features Fish and Crawfish EPCs and TSLs

Compatition	TSL (μg/kg,	TSL (μg/kg, EPC (μg/kg, w		
Constituent	ww)	Catfish	Bass	Crawfish
R-Methylmercury ³	230	142.2	198.0	39.0
Acenaphthene	70,000	ND	ND	ND
Acenaphthylene	11,900	ND	ND	ND
Anthracene	700,000	ND	ND	40.0
Benzo[a]anthracene	708	ND	ND	ND
Benzo[a]pyrene	71	ND	ND	ND
Benzo[b]fluoranthene	708	ND	ND	ND
Benzo[g,h,i]perylene	11,900	ND	ND	ND
Benzo[k]fluoranthene	7,078	ND	ND	ND
Chrysene	70,778	ND	ND	4.0
Dibenz(A,H)Anthracene	71	ND	ND	ND
Fluoranthene	15,867	ND	ND	26.7
Fluorene	46,667	ND	ND	5.7
Indeno(1,2,3-C,D)Pyrene	708	ND	ND	ND
Phenanthrene	11,900	ND	ND	29.3
Pyrene	11,900	ND	ND	ND
Tri-n-butyltin⁴	230	ND	ND	NS
Di-n-butyltin⁴	230	ND	ND	NS
n-Butyltin ⁴	230	0.26	0.34	NS

TSL = tissue screening level

 μ g/kg, ww = micrograms per kilogram, wet weight

EPC = exposure point concentration

ND = not detected

NS = Crawfish not sampled in Phase I Fish Tissue Contingency Plan because only one individual collected in dry dock (see Section 2.1)

- 1 = If all samples were ND, then 0 value is used in average concentration and ND is presented.
- 2 = Bass EPC is composite sample result and not average due to sample size.
- 3 = Representative methylmercury is defined as the highest concentration of total mercury or methylmercury.
- 4 = Butyltin EPCs are composite sample results and not averages due to sample size

Comparing individual Site features against the LDEQ MeHg TSL is an additional line of evidence in the screening assessment that was considered as a conservative measure to reduce statistical uncertainty for R-MeHg. This approach identifies potential outliers that increase the variability in the data and decrease the statistical certainty. **Figure 3-1** shows the R-MeHg comparison of individual fish and crawfish composite samples by sampled species from each of the Site features to the TSL. There were no



individual fish or crawfish composite tissue samples in Site features that exceeded the MeHg TSL (**Figure 3-1**).

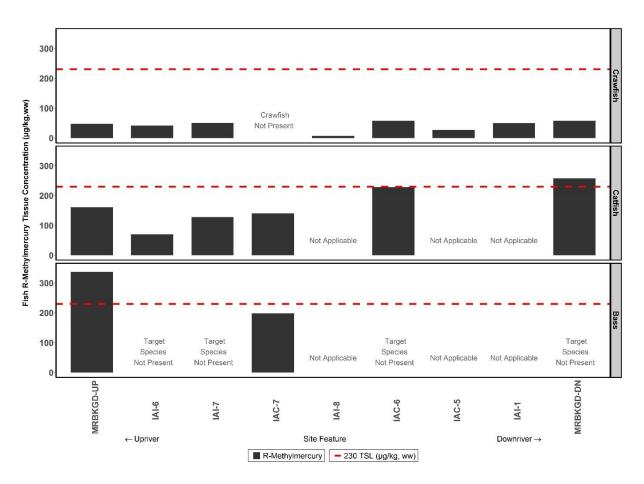


Figure 3-1 Site Feature Fish and Crawfish Composite Samples and TSLs

Notes:

R-Methylmercury, Representative MeHg is defined as the highest concentration of THg or MeHg. See Table 3-2 for a summary of R-Methylmercury results

Not Applicable = Species not targeted due to habitat

3.2.2 Background Data

Table 3-4 presents the background results for the target analyte COPCs in each of the representative fish and crawfish samples and the COPC-specific TSL. There was one upriver bass sample and one downriver catfish sample result that exceeded the TSL for R-MeHg representing background in the Mermentau River. Additionally, concentrations of benzo[a]pyrene in downriver crawfish exceeded the TSL for benzo[a]pyrene (**Table 3-4**).



Table 3-4 Background Mermentau River Fish and Crawfish Tissue Concentrations and TSLs

Constituent	TSI (mg/line mm)	Concentration (μg/kg, ww) ¹		
Constituent	TSL (μg/kg, ww)	Catfish	Bass ²	Crawfish
	Mermentau Ri	iver Background (U	priver)	
R-Methylmercury ³	230	161	337	48
Acenaphthene	70,000	ND	ND	ND
Acenaphthylene	11,900	ND	ND	ND
Anthracene	700,000	ND	ND	ND
Benzo[a]anthracene	708	ND	ND	ND
Benzo[a]pyrene	71	ND	ND	ND
Benzo[b]fluoranthene	708	ND	ND	ND
Benzo[g,h,i]perylene	11,900	ND	ND	ND
Benzo[k]fluoranthene	7,078	ND	ND	ND
Chrysene	70,778	ND	ND	ND
Dibenz(A,H)Anthracene	71	ND	ND	ND
Fluoranthene	15,867	ND	ND	ND
Fluorene	46,667	ND	ND	ND
Indeno(1,2,3-C,D)Pyrene	708	ND	ND	ND
Phenanthrene	11,900	ND	ND	ND
Pyrene	11,900	ND	ND	ND
Tri-n-butyltin	230	ND	ND	NS
Di-n-butyltin	230	ND	ND	NS
n-Butyltin	230	ND	ND	NS
	Mermentau Riv	er Background (Dov	vnriver)	
R-Methylmercury ³	230	258		58.2
Acenaphthene	70,000	ND		70
Acenaphthylene	11,900	ND		65
Anthracene	700,000	ND		180
Benzo[a]anthracene	708	ND		240
Benzo[a]pyrene	71	ND		85
Benzo[b]fluoranthene	708	ND		98
Benzo[g,h,i]perylene	11,900	ND		26
Benzo[k]fluoranthene	7,078	ND		100
Chrysene	70,778	ND		210
Dibenz(A,H)Anthracene	71	ND		36
Fluoranthene	15,867	ND		760
Fluorene	46,667	ND		110
Indeno(1,2,3-C,D)Pyrene	708	ND		36



Constituent	TCI (v. z /lez v. n.v.)	Concentration (μg/kg, ww) ¹		
Constituent	TSL (μg/kg, ww)	Catfish	Bass ²	Crawfish
Phenanthrene	11,900	ND		190
Pyrene	11,900	ND		320
Tri-n-butyltin	230	NA	NA	NS
Di-n-butyltin	230	NA	NA	NS
n-Butyltin	230	NA	NA	NS

Bold = exceedance of the TSL for R-MeHg representing background in the Mermentau River

-- = targeted but not captured

μg/kg = micrograms per kilogram

EPC = exposure point concentration

NA = Not collected or not analyzed

ND = not detected

NS = Crawfish not sampled in Phase I Fish Tissue Contingency Plan because only one individual collected in dry dock (see Section 2.1)

TSL = tissue screening level

- 1 = If all samples were ND, then 0 value is used in average concentration and ND is presented.
- 2 = All background values are single sample results and not averages due to sample size.
- 3 = Representative methylmercury is calculated as the highest concentration of total mercury or methylmercury. See **Table 3-2** for a summary of R-Methylmercury results

To provide a perspective on the relative magnitude of Site composite tissue concentrations for R-MeHg, each of the representative fish and crawfish composite tissue concentrations for sampled species for the Site were compared to the upriver and downriver sampling locations on the Mermentau River. **Figure 3-2** presents the Site and background MeHg tissue concentrations for fish and crawfish as compared to the TSL. As shown in **Figure 3-2**, the Site EPCs were less than the background EPCs for both bass and catfish groups. Additionally, Site and background crawfish MeHg concentrations were similar. No Site MeHg EPCs were greater than the corresponding TSL while the downriver catfish and upriver bass groups exceeded the TSL.

Organotins were analyzed in fish tissue samples from the on-site Dry Dock (IAC-7) and upriver background stations on the Mermentau River. Concentrations of organotins were less than the analytical limit of detection, except for two, low level (J qualified) n-butyltin detections in tissue samples from the on-site Dry Dock (**Table 3-2** and **Table 3-3**). However, both the maximum detected organotin concentration (0.34 μ g/kg) and maximum quantitation limit (0.98 μ g/kg) were less than the TSL value of 230 μ g/kg. **Figure 3-3** depicts the Site and background organotin tissue concentrations relative to the TSL.



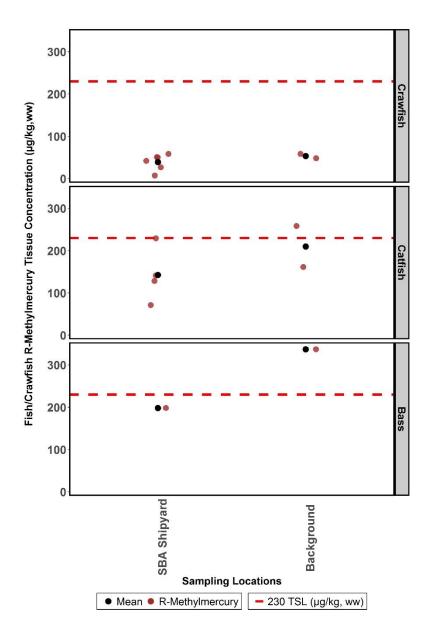


Figure 3-2 Site and Background Representative MeHg Fish and Crawfish EPCs and TSLs

Notes

R-Methylmercury = Representative MeHg is defined as the highest concentration of THg or MeHg. See **Table 3-2** for a summary of R-Methylmercury results



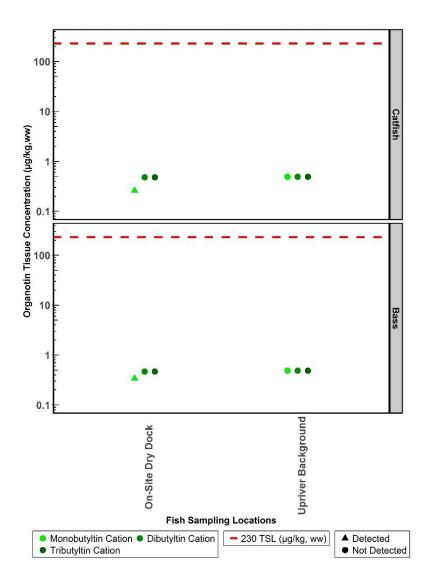


Figure 3-3 Site and Background Fish Tissue Organotin Concentrations

Notes:

Logarithmic Y-axis scale

Not detected concentrations shows as ½ quantitation limit.

3.2.3 Regional Data

Current and historical operations upriver of the SBA Shipyard Site include petroleum refining, biofuel (e.g., denatured ethanol) production, shipbuilding and refurbishing/repair, bulk aggregate and concrete distribution, and barge cleaning and repair. Louisiana Pollutant Discharge Elimination System (LPDES) permit violations were identified for treated wastewater and sanitary system discharges. In addition to industrial discharges, the primary activity within the vicinity of the Site is agricultural in nature, primarily rice and crawfish farming.



LDEQ and LDWF periodically sample the mercury concentration in fish tissue from lakes and rivers across the state. The Louisiana Department of Health (LDH) evaluates the data to determine the need for a fish consumption advisory. Louisiana issues precautionary advisories when unacceptable levels of mercury are detected in fish or shellfish. Fish advisories for mercury have been issued for the following Bayous in the vicinity of the Site.

- Bayou Nezpique (upriver Mermentau River tributary)
- Bayou Plaquemine Brule (upriver Mermentau River tributary)
- Bayou des Cannes (upriver Mermentau River tributary)
- Bayou Queue de Tortue (downriver Mermentau River tributary)

As noted in **Section 3.1**, the LDEQ mercury monitoring program analyzes for THg tissue concentration and assesses the THg analytical results using the MeHg TSL. To provide an additional perspective on the relative magnitude of Site R-MeHg concentrations in fish tissue used in this report, the Site R-MeHg concentrations were compared to the THg concentrations in fish reported by LDEQ (LDEQ, 2021) for the four bayous listed above, as well as the main stem of the Mermentau River (**Figure 3-4**). As shown in **Figure 3-4**, Site R-MeHg fish tissue concentrations were less than or similar to background concentrations found in the Mermentau River and the upriver and downriver Bayous in the vicinity of the Site.

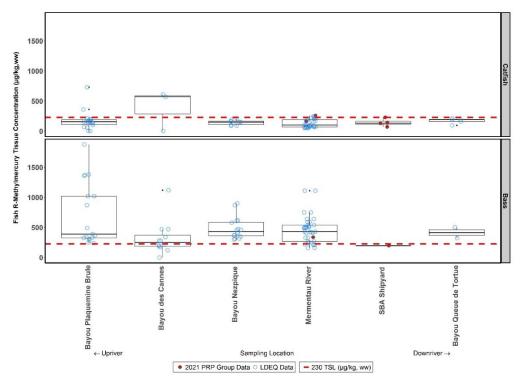


Figure 3-4 Site Representative MeHg Data versus Regional Data

Notes:

R-Methylmercury = Representative MeHg is defined as the highest concentration of THg or MeHg. See **Table 3-2** for a summary of 2021 R-Methylmercury results

2021 PRP Group Data = samples collected as part of the May and June PRP group field sampling reported as R-Methylmercury LDEQ Data = Fish Tissue samples collected from 1994 to 2016 by the Louisiana Department of Environmental Quality. Reported as THg. (LDEQ, 2021)



4 Summary of Findings

Pursuant to the Work Plan, a fish advisory determination was conducted utilizing fish and crawfish tissue samples collected in May and June 2021. In addition to the Site and background Mermentau River fish and crawfish datasets used in the assessment, existing regional fish tissue datasets collected for the Louisiana mercury monitoring program also were considered. The following are the conclusions of the fish advisory determination:

- A robust fish and crawfish tissue dataset was collected to support the determination of a fish consumption advisory based on the approved Work Plan.
- There were no Site EPCs that exceeded their respective COPC-specific TSL, including:
 - EPCs based on species tissue composite averages of Site features for R-methylmercury or PAHs in the tissue of fish and crawfish samples. Additionally, the PAH Site EPCs were several orders of magnitude below their respective TSLs.
 - EPCs based on composite sample results (not averages) to account for sample size considerations for organotins in the tissue of fish samples.
- An outlier assessment for R-methylmercury found that there were no individual fish or crawfish tissue samples in Site features that exceeded the COPC-specific TSL (Figure 3-1).
- There was one upriver bass and one downriver catfish tissue sample representing background in the Mermentau River that exceeded the TSL for R-methylmercury. Additionally, the downriver crawfish EPC exceeded the TSL for benzo[a]pyrene.
- Fish tissue Site EPCs were less than the background EPCs while crawfish tissue Site EPCs were similar to background samples (Figure 3-2).
- The Site R-methylmercury fish tissue concentrations were less than or similar to background concentrations found in the Mermentau River and in the upriver and downriver Bayous in the vicinity of the Site.

The results of the tissue sampling found that there were no Site TSL exceedances of the mercury compounds (i.e., R-methylmercury), selected PAHs, and organotins in the screening assessment, and therefore, a fish consumption advisory is not warranted based on potential exposure to Site-related COPCs in fish or crawfish tissue.

5 References

- EHS Support. 2018. Remedial Investigation/Feasibility Study Work Plan. SBA Shipyard Superfund Site, Jennings, Jefferson Davis Parish, Louisiana. Prepared for: SBA Shipyard PRP Group. May 17.
- EHS Support. 2019a. Remedial Investigation, Preliminary Site Characterization and Data Gap Assessment. Prepared for: SBA Shipyard PRP Group. February 8.
- EHS Support. 2019b. Technical Memorandum to United States Environmental Protection Agency RE:

 Baseline Human Health Risk Assessment Work Plan and Conceptual Exposure Model. October
 23
- EHS Support. 2021a. Fish Tissue Sampling Work Plan. SBA Shipyard Superfund Site, Jennings, Jefferson Parish, Louisiana. April 23.



- EHS Support. 2021b. Organotins Sediment Sampling Work Plan. SBA Shipyard Superfund Site, Jennings, Jefferson Davis Parish, Louisiana. April.
- EHS Support. 2021c. Organotins Sediment Sampling Results Technical Report, SBA Shipyard Superfund Site, Jennings, Jefferson Davis Parish, Louisiana. October 2021.
- EHS Support, 2021d. Dioxins and Furans Sampling Work Plan, SBA Shipyard Superfund Site, Jennings, Jefferson Davis Parish, Louisiana (LDEQ AI Number 1478). April 23.
- EHS Support, 2021e. Dioxins and Furans Sediment Sampling Results Technical Report, SBA Shipyard Superfund Site, Jennings, Jefferson Davis Parish, Louisiana (LDEQ AI Number 1478). October 15.
- LDEQ, LDHH, LDWF, and LDAF. 2012. Tissue Screening Level Guidelines for Issuance of Public Health Advisories for Selected Contaminants and Supporting Documentation. March.
- LDEQ. 2013. Risk Evaluation/Corrective Action Program (RECAP) Appendix D Guidelines for Assessing Constituents with Special Considerations. October.
- LDEQ. 2020. Comments on Technical Memorandum to United States Environmental Protection Agency RE: Baseline Human Health Risk Assessment Work Plan and Conceptual Exposure Model. April 9.
- LDEQ Personal Communication. 2020. EHS Support Fish Tissue Sampling Interview Form. October 2020.
- LDEQ. 2021. Louisiana Department of Environmental Quality Web Portal; Sites; https://waterdata.deq.louisiana.gov/Sites. Accessed August 2020.
- LDHH, LDEQ, LDAF, and LDWF. 2012. Protocol for Issuing Public Health Advisories for Chemical Contaminants in Recreationally Caught Fish and Shellfish. February.
- NOAA. 2021. NOWData. NOAA Online Weather Data. Climatological Data for JENNINGS, LA,. Accessed on October 21st, 2021. https://www.weather.gov/wrh/Climate?wfo=lch
- R Core Team. 2020. R: A language and environment for statistical computing. R Foundation for Statistical Computing, Vienna, Austria. URL https://www.R-project.org/.
- Scudder, B.C., Chasar, L.C., Wentz, D.A., Bauch, N.J., Brigham, M.E., Moran, P.W., and Krabbenhoft, D.P. 2009. Mercury in fish, bed sediment, and water from streams across the United States, 1998–2005: U.S. Geological Survey.
- USEPA. 1989. Risk Assessment Guidance for Superfund Volume 1 Human Health Evaluation Manual Part A, December.
- USEPA. 2000. Guidance for Assessing Chemical Contaminant Data for Use in Fish Advisories, Volume I: Fish Sampling and Analysis. November.
- USEPA. 2017. https://www.epa.gov/dioxin/learn-about-dioxin. Accessed on June 27, 2017.



USGS. 2021. National Water Information System: Web Interface USGS 08012150 Mermentau River At Mermentau, LA. Accessed on October 21st, 2021. https://nwis.waterdata.usgs.gov/nwis

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Table 3-3	Site Features Fish and Crawfish EPCs and TSLs
Table 3-4	Background Mermentau River Fish and Crawfish Tissue Concentrations and TSLs

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List of Attached Figures

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Figure 2	Mermentau River Stages
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Figure 3b	Crawfish Sample Locations – Upstream Background
Figure 3c	Crawfish Sample Locations – Downstream Background
Figure 4a	Fish Sample Locations
Figure 4b	Fish Sample Locations – Upriver Background
Figure 4c	Fish Sample Locations – Downriver Background

Attachments

Attachment A	Laboratory Analytical Data
Attachment B	Data Validation Reports
Attachment C	Laboratory Analytical Data Table



Tables

Table 1 Fish and Crawfish Tissue Sample Summary 2021 Tissue Sampling Results SBA Shipyard - Jennings, LA

	Fish and Crawfish Tissue Sample Summary							
Site Feature	Predators		Bottom Feeders				Crawfish	
	Largemouth Bass		Blue Catfish		Channel Catfish		Crawfish ²	
	Number in Sample	Size Range (mm) ¹	Numer in Sample	Size Range (mm) ¹	Number in Sample	Size Range (mm) ¹	Number in Sample	Size Range (mm) ³
Background (Mermentau River - Upriver)	1	283	2	331-348			115	17-53
IAI-6 – Vessel Slip 1 on Northern Property					1	330	97	25-60
IAI-7 – Vessel Slip 2 on Northern Property			1	396			96	23-50
IAC-7 – Dry Dock	3	276-316	2	372-442				
IAI-8 – Off-Site Wetland Area	NA	NA	NA	NA	NA	NA	53	28-42
IAC-6 – Barge Slip			4	347-400			77	24-60
IAC-5 – Barge Cleaning Area Drainage Ditch	NA	NA	NA	NA	NA	NA	43	37-53
IAI-1 – Southern Wetland Area	NA	NA	NA	NA	NA	NA	78	21-57
Background (Mermentau River - Downriver)			3	395-435			97	22-53

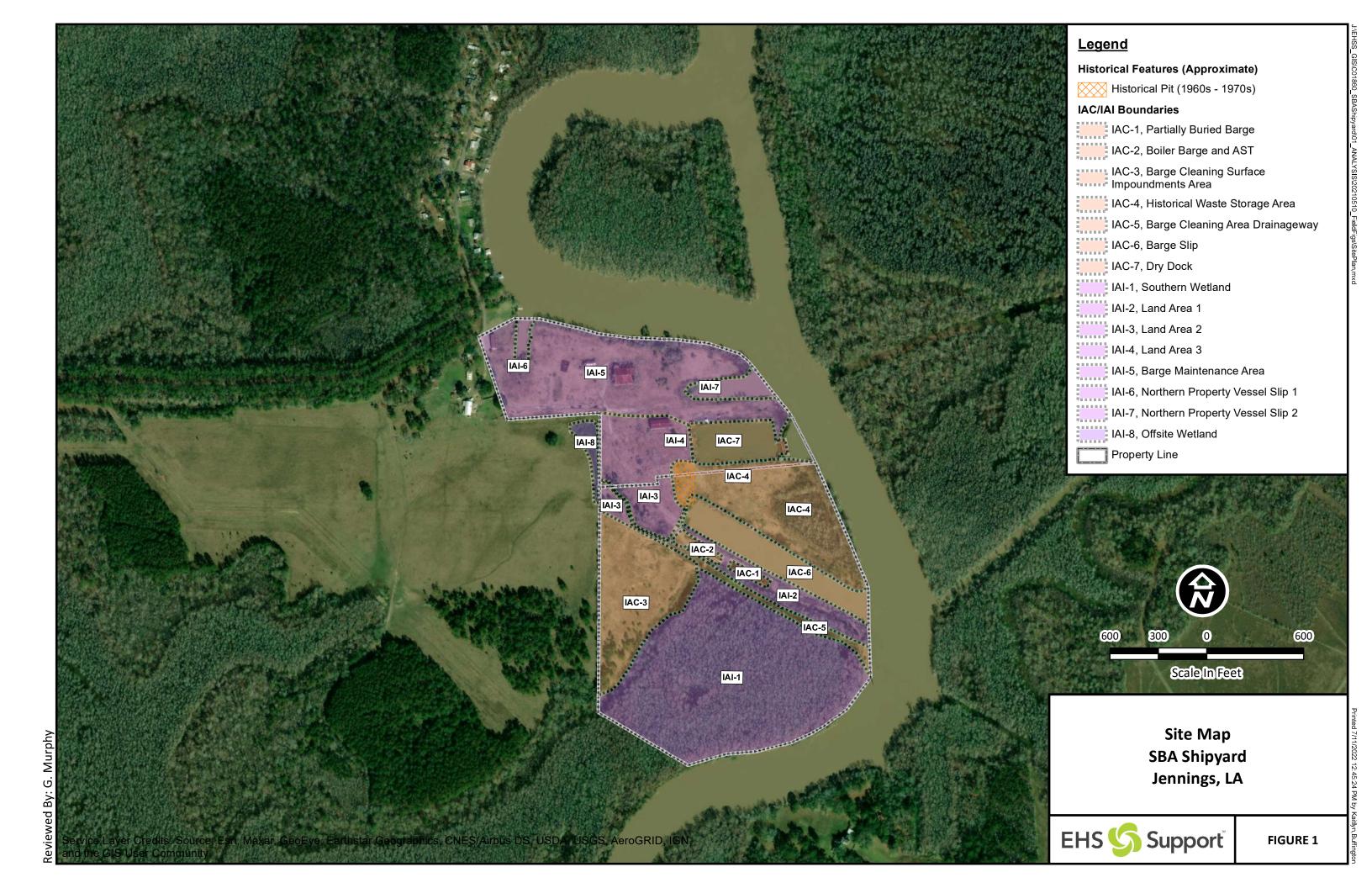
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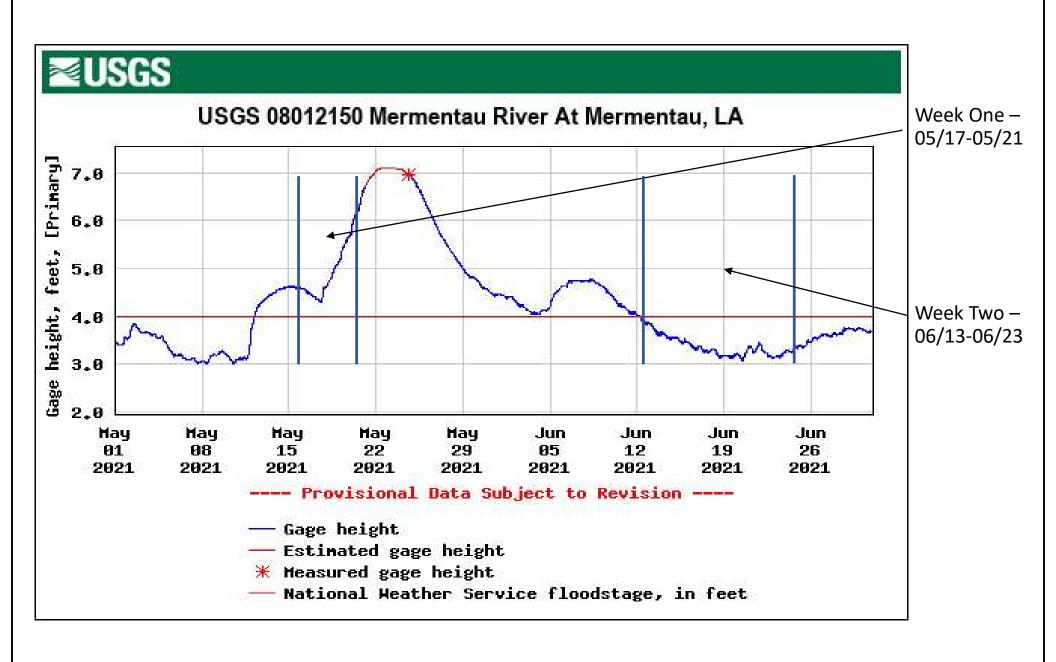
- 1 = Total length
- 2 = Composite of red swamp and white river crawfish
- 3 = Carapace length
- -- = targeted but not captured
- NA = not applicable based on habitat
- IAC = Investigation Area of Concern
- IAI = Investigation Area of Interest



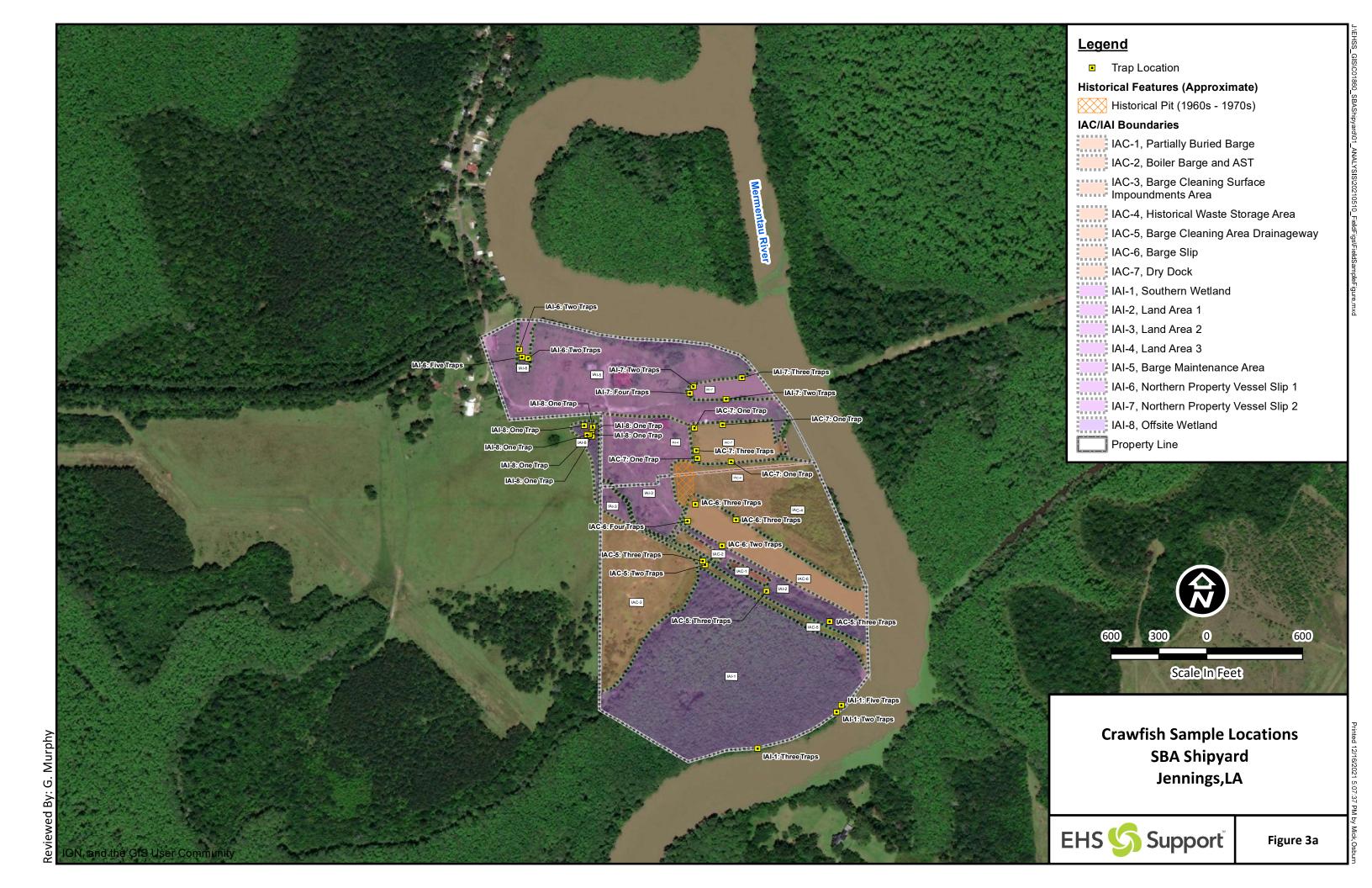


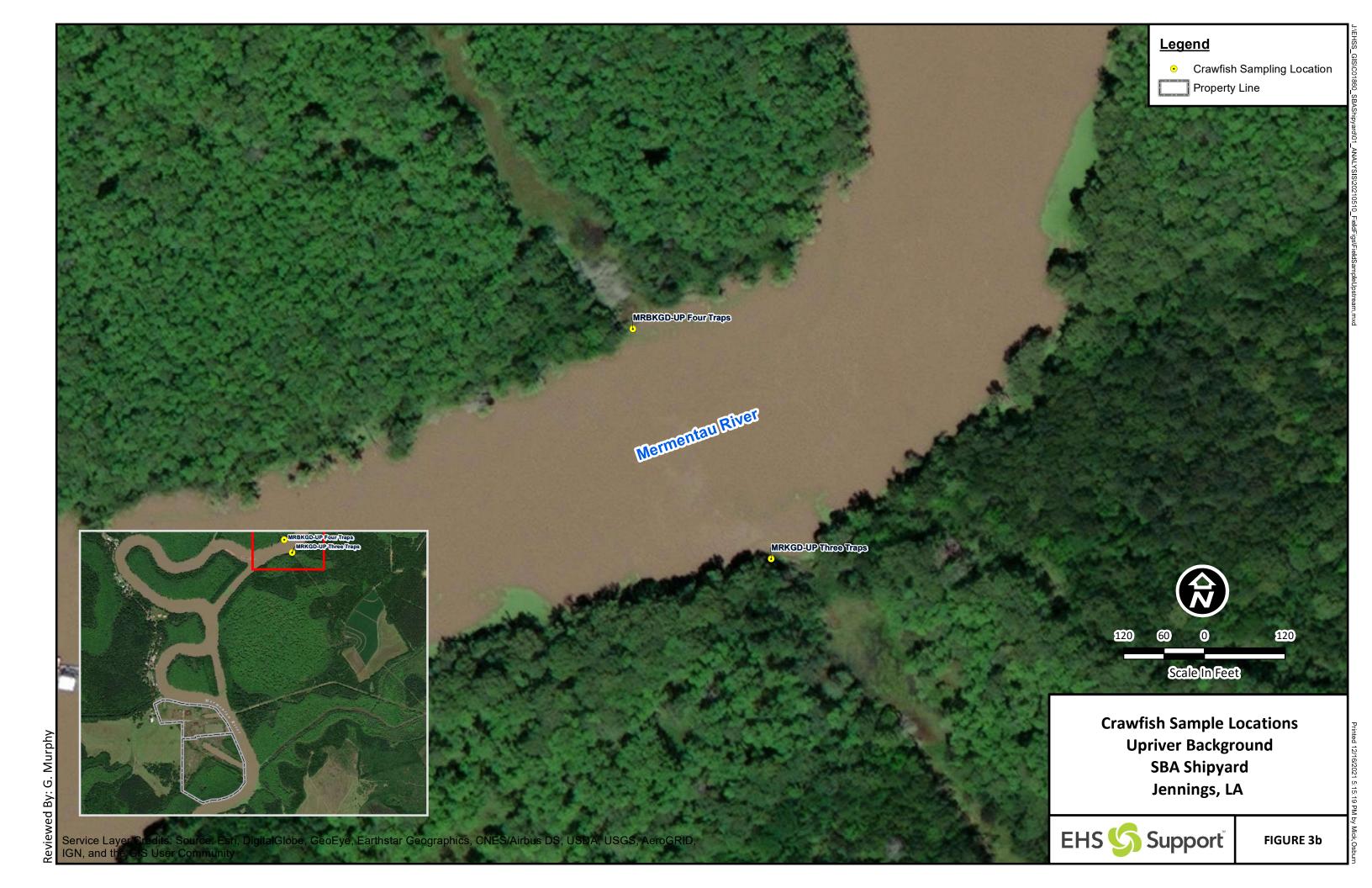
Figures

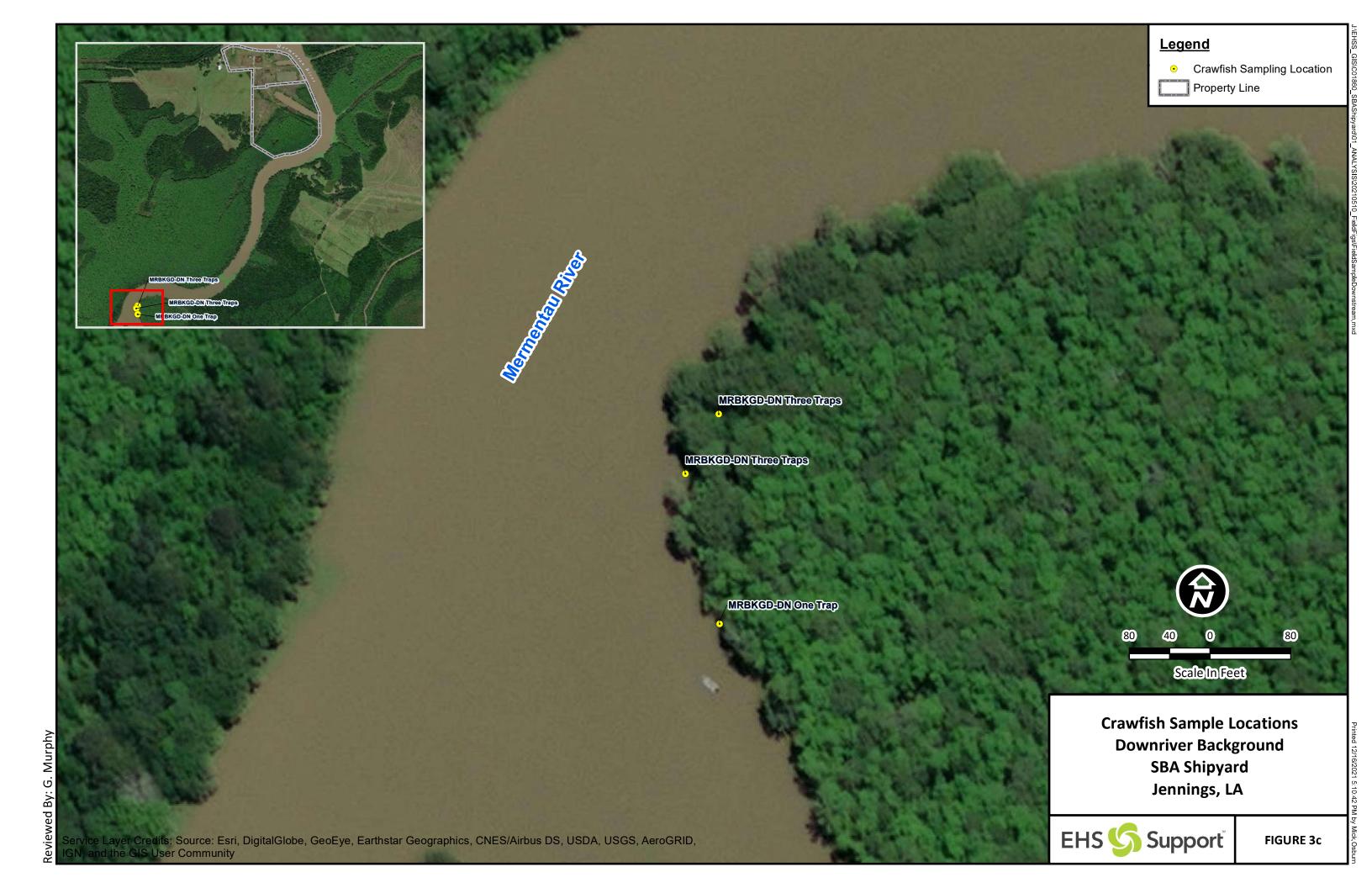


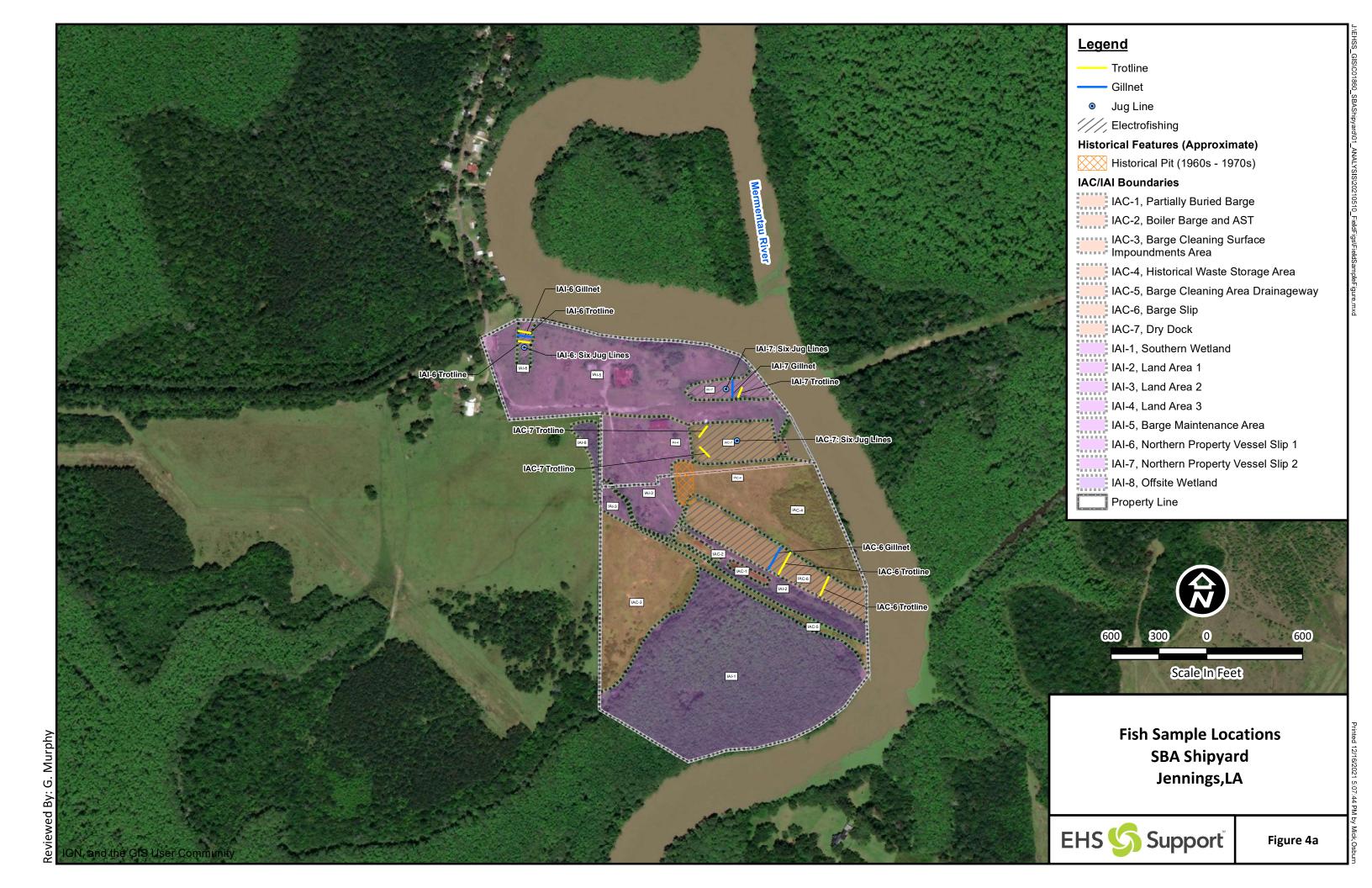


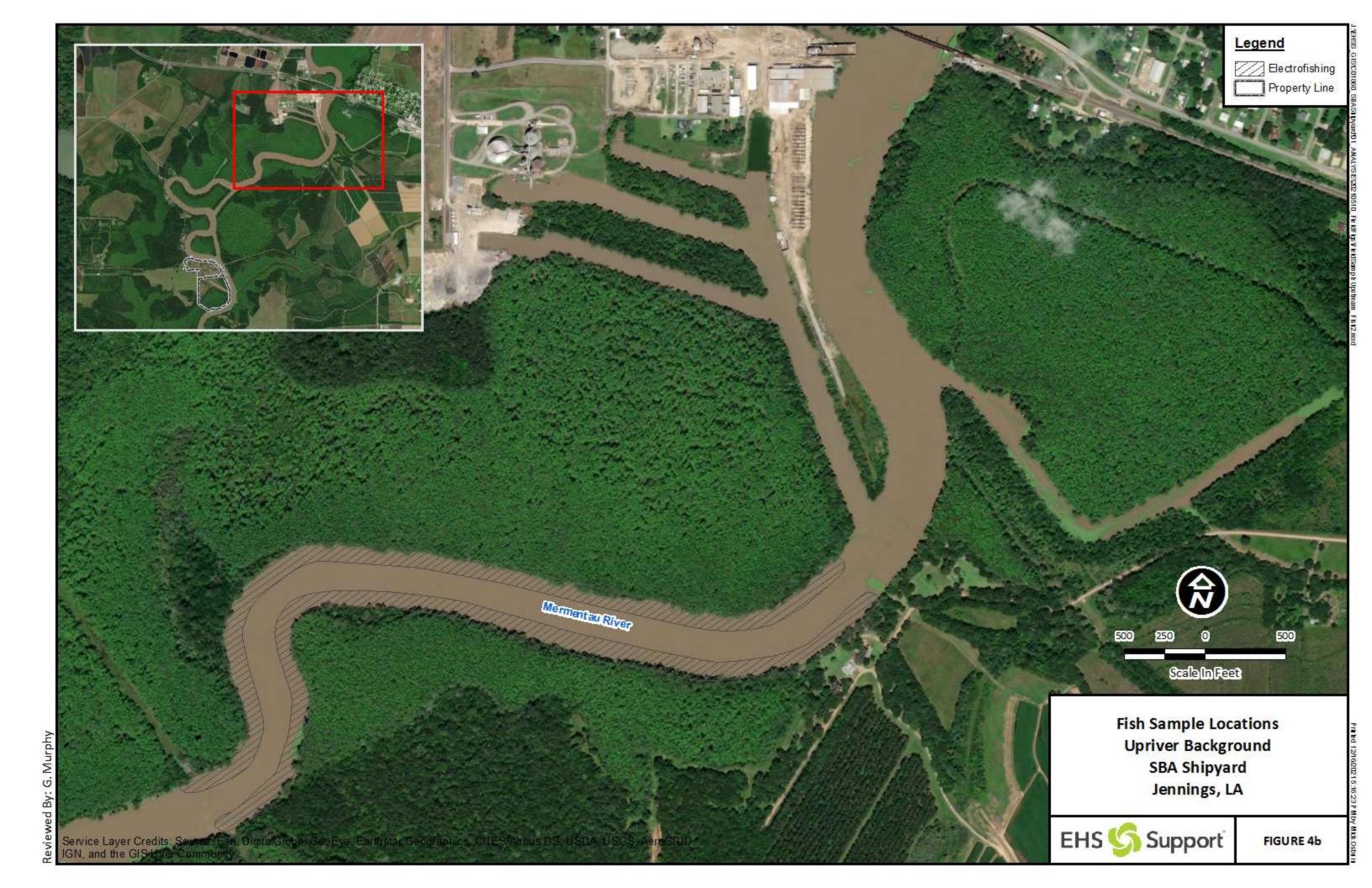
















Attachment A Laboratory Analytical Data



ALS Environmental Laboratory Results



Service Request No:K2205501

Jon Hamilton EHS Support LLC 2303 North Bosworth Road Suite 2B Chicago, IL 60614

Laboratory Results for: SBA Shipyard, LA

Dear Jon,

Enclosed are the results of the sample(s) submitted to our laboratory May 18, 2022 For your reference, these analyses have been assigned our service request number **K2205501**.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3376. You may also contact me via email at Mark.Harris@alsglobal.com.

Respectfully submitted,

noe D. Oar

ALS Group USA, Corp. dba ALS Environmental

Mark Harris

Project Manager



Narrative Documents

ALS Environmental—Kelso Laboratory 1317 South 13th Avenue, Kelso, WA 98626 Phone (360) 577-7222 Fax (360) 425-9096 www.alsglobal.com



Client:EHS Support LLCService Request: K2205501Project:SBA Shipyard, LADate Received: 05/18/2022

Sample Matrix: Animal Tissue

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Fifteen animal tissue samples were received for analysis at ALS Environmental on 05/18/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Semivoa GC:

Method ALS SOP, 06/03/2022:The analysis of butyltins by ALS/SOP requires the use of dual column confirmation. When the Continuing Calibration Verification (CCV) criterion is met for both columns, the lower of the two sample results is generally reported. The primary evaluation criteria were not met on the confirmation column for the surrogate compound, Tri-n-propyltin. The results were reported from the column with an acceptable CCV. The data quality was not affected. No further corrective action was necessary.

Method ALS SOP, 06/03/2022:The upper control criterion was exceeded for Di-n-butyltin and Tri-n-butyltin in Continuing Calibration Verification (CCV) KQ2209620-01 and-03. The field samples analyzed in this sequence did not contain the analytes in question above the MRL. Since the apparent problem indicated a potential high bias, the data quality was not affected. No further corrective action was required.

Metals:

No significant anomalies were noted with this analysis.

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Approved by				Date	06/06/2022

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SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: IAC-7-PFT03		Lab	ID: K2205	5501-001		
Analyte	Results	Flag	MDL	MRL	Units	Method
Total Solids	22.1				Percent	Freeze Dry
n-Butyltin Cation	0.34	J	0.18	0.93	ug/Kg	ALS SOP
CLIENT ID: IAC-7-BFT03		Lab	ID: K2205	5501-002		
Analyte	Results	Flag	MDL	MRL	Units	Method
Total Solids	20.6				Percent	Freeze Dry
n-Butyltin Cation	0.26	J	0.18	0.96	ug/Kg	ALS SOP
CLIENT ID: MRBKGD-UP-PFT06		Lab	ID: K2205	5501-003		
Analyte	Results	Flag	MDL	MRL	Units	Method
Total Solids	20.7				Percent	Freeze Dry
CLIENT ID: MRBKGD-UP-BFT06		Lab	ID: K2205	5501-004		
Analyte	Results	Flag	MDL	MRL	Units	Method
Total Solids	20.4				Percent	Freeze Dry



Sample Receipt Information

ALS Environmental—Kelso Laboratory 1317 South 13th Avenue, Kelso, WA 98626 Phone (360) 577-7222 Fax (360) 425-9096 www.alsglobal.com Client: EHS Support LLC Service Request:K2205501

Project: SBA Shipyard, LA/41006551

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	<u>DATE</u>	<u>TIME</u>
K2205501-001	IAC-7-PFT03	6/19/2021	1030
K2205501-002	IAC-7-BFT03	6/19/2021	1000
K2205501-003	MRBKGD-UP-PFT06	6/18/2021	1200
K2205501-004	MRBKGD-UP-BFT06	6/20/2021	1130

2425 New Holland Pike Lancaster, PA 17801 Phone (717) 858-2300

Chain of Custody Record



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2425 New Holland Pike Lancaster, PA 17601 Phone (717) 656-2300

Chain of Custody Record

eurofins Environment Testing

Client information	Sampler Andrew Misno (i	EHS Suppo	ri)	Lab Cac	РМ: iy, John	М						P	amer .	rackin	g No(s	i };			COC No: 410-24911-7577.1	
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L, 60451	Compliance Project	t: Δ Y## <i>δ</i>	à No		11				O.	Nas I	A TR								F - MeOH	Q - N#2503 R - N#25203
12-914-7034 (Tel)	PRP_C01860								ans	Seg	8	Ì						10	H - Ascorbic Acid	S - HZSO4 T - TSP Dodecanydrate
mali: oonile.stadelmann@ehs-support.com	WO#: 038				mple (Yes or No				Seatthe	(EFGS Seattle	LE (St								J - DI Weter	U - Acetone V - MCAA W - pH 4-5
Project Name: SBA Shipyard LA: Fish Tissue	Project #: 41006551				٤				EFGS.	y (EF	SAMP							i	L - EDA	Z - other (specify)
iile: BBA Shipyard Superfund Site, Jennings, LA	SSOW#:					١) (i	Ž.	Q JZJNC			l			-	9	Other: Di - Dry Ice	
	Samala Sata	Sample	Sample Type (C=comp, G=grab)	Matrix (www., s-sold, G-warmos,	MA Pleased	82730_SHEPAP	% Hoistans	% Lipida	1830 Methyl Mercury (EFGS-Seathe SUBCONTRACT)	1631 Low Level	HOLD HOMOGENIZED SAMPLE (SEE CONTRACT)							otal Number	Consisting	·
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MR8KGD-UP-BFT08	06/2001	1130		Tissue	\prod	X	х	х	х	х	Х		T						Process fish fillet (bo provided in sample)	oth sides, no skin, ell f - 2 + 154
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Non-Hazard Jammable Jum Imitant Polse Deliverable Requested: Level II Deliverable	ah B Lonkno	חיר ^ו משנ	adiologica!		St			To (quin	ement	spose s:	I By I	.eb	<u></u>	Α	\rchi	ve For 6	Months
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2425 New Holland Pike Lancaster, PA 17601

Chain of Custody Record

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Phone (717) 658-2300	Sempler			lueb	PM:	······						Ic	smer '	7/ackin	o Noti	ı):			COC Ne:	
Client Information	Andrew Miano	EHS Suppo	ori)	Cad	dy Jo	ohn M					-								410-24911-7577.1	
Client Contact: Ms. Bonnie Stadelmann	Phone: (215) 870-8984			E-M Joh		dy@i	Eurofi	nset.c	com				tate of A	Offgin	:				Page: Page 1 of 3	
Company. EHS Support, LLC			PWSID.		Τ				A	nal	/Bia	Requ	esta	d			****		Job ≇.	*****
Address:	Due Date Request	ed:						T	T	T				Ť	Τ	T	T	19	Preservation Codes:	
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New Lenox State, Zip:		18 Da	iys						Ę	Ě	E								C - Zn Acetata O - AsNaO2 D - Nitric Acid P - Na2O4S	
IL, 80451	Compliance Proje	rt: Δ Yes	∆ No		11				E	8	(SEE CONTRACT)								E - NaHSO4	3
Phone: 312-914-7034 (Tel)	PO#: PRP_C01860			" - -					Q S	\$	8	-						養養	G - Amonior S - HZSO4 H - Ascorbic Acid T - TSP Ded	
Email:	WO #: 038				13		ĺ		Mercury (EFGS-Seathe SUBCONTRACT)	#Y (EFGS-Seattle SUBCONTRACT)	38								1- ice U - Acetons J - Di Water V - MCAA	
bonnie.stadelmann@ehs-support.com Project Name:	Project ≇.			· / · · · · · · · · · · · · · · · · · ·					35	15	MP.E							-	K - EDTA W - pH 4-5 L - EDA Z - other (spi	uerifu)
SBA Shipyard LA Fish Tissue Sia:	41008551 550W#:								EFG	1	3	-					1	1	Other: Di - Dry Ice	#U133
SBA Shipyard Superfund Site, Jennings, LA	000,110				JĒ	副.	.		Tag.	¥	NIZE							5	outer, or - bry ice	
			Sample	Matrix			£ e			1 2	НОГД НОМОСЕМІΖЕД							ŧ		
		Sample	Type (C=comp.	(Yermaner, Brooks, Orwasteriol,			M Ode to	ą.	1630 Meethyl	1631	£	ı						Total Nami		
Sample identification	Sample Date	Time	G=grab)	BT=Thum, Andle												<u> </u>	<u> </u>	3	Special instructions/	/Note:
		$\geq \leq$		tion Code.	X	Y !) D	l DI	DI	DI	Di				120		<u> </u>	X		
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N-8-CRAGE	8/19/21	1015	V	Tissue	H	\pm	7	- ×	×	×	×	干	7	1	\perp_{ℓ}	DK	41	112	Process tall tissue and hepatopa together, per SOP provided	BUCLEEF
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Possible Hazard Identification		<u> </u>	<u> </u>		┸┪	Samp	le Di	sposi	el (A	100	may i	be 858	***	d if s	ampi	es a	re rei	taln	ed longer than 1 month)	
Non-Hazard Ismmable Skin Irritant Po	isa B	wn Fa	diological			~~~	3	m To]		posal						ive For 6 Months	
Deliverable Requested: Level It Deliverable						Speci	al ins	tructio	ons/Q	C Re	quire	ments								
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Custody Seals Intact: Custody Seal No.:	······································			····		R.	_	•				er Rem		. 2000	3 <i>i</i> .	. <				
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2425 New Holland Pike Lancaster, PA 17601 Phone (717) 856-2300

Chain of Custody Record

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Client information	Andrew Miano (I	EHS Suppor	rt)		y, Jo	ohn N	VI									NO(II);			410-24911-75	77.1		
Cilent Contact: Ms. Bonnie Stadelmann	Phone: (215) B70-6984			E-Me Joh		idy@	Euro	ofins	et.co	m			SI		Origin:				Page: Page 1 of 3			
Company:			PWSID:		Τ						alv	ala i	Requi	asta	ri				Job #:	***************************************		
EHS Support, LLC Address: 167 Oakview Drive	Due Date Requeste	d:			\Box					Ï				T	Ī	П		¥	Preservation C	odea:		***************************************
City:	TAT Requested (de			***************************************	11					_	6								A - HCL B - NaOH	N - N		
New Lenox State, Zip:		15 Da)	ya		N.			-		SUBCONTRACT)	SUBCONTRACT)	E						8	C - Zn Acetete D - Nitric Acid	₽.1	ABN#02 YBZO4S	
IL, 60451	Compilance Projec PO #:	t: Δ Y** Δ	No.							8	COR	¥.							E - NaHSO4 F - MeOH	R - N	N#2503 N#25203	
Phone: 312-914-7034 (Tel)	PRP_C01850					21				STIE	4	8							G - Amchior H - Ascorbic Acid	T+T	12504 ISP Dodacah)	ydrate
Email: bonnle.stadelmann@ehs-support.com	WO#: 038				Or No.	3		Ì		A ALTHO	S-58	SAMPLE (SEE CONTRACT)							I - Ice J - Di Water K - EDTA	V - N	Acetone VICAA pH 4-5	
Project Name: SBA Shipyard LA Fish Tissue	Project #: 41006551				٤				l	(EFGS-S#	r (EFGS-	MA						1	L-EDA		ther (specify)	
SBA Shipyard Superfund Site, Jennings, LA	SSOW#:			·····	- P	S. Li				cury (El	Kertun							of Cort	Other: DI - Dry lo	•		
Sample identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (virwater, arcoid, Ormatoloi, etriticus, arab	Field Fillerad S		BZ700_SIM PAH	% Mofether	% Lipids	1630 Methyl Men	1631 Low Level	ного номожемеер						Total Number	Special	Instruc	ctions/Note	Đ:
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MAT DETO.				Ticsuo	Н		×	×	×	×	-X-	Х		\perp	\pm				Process fish fille provided in sem	pie)		
IAI-7-BFT04	56/18/21	0930	9	Tissue			X	Х	X	X	X	х							Process fish fille provided in sam	pia)		
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Page 10 of 42 Haule 5/18/22 6736 ACS

Seurofins Environment Testing

																			
2425 New Holland Pike Lancaster, PA 17801	(Chain	of Cus	stody i															wironment Testing nerica
Phone (717) 858-2300	Sampler:			G C											,*)			COC No:	
Cilent Information Cilent Contact:	Andrew Mizno (Phone:	EHS Suppo	ort)	— <u>₽</u>	410	-4471	8 Cr	ain o	f Cu	stody		1111811111	ļ			····		410-24911-7577.1 Page	**************************************
Ms. Bonnis Stadelmann Company:	(215) 870-6984		PWSID.	Jo.,.		·. <u>.</u>						ma ·						Page 1 of 3	
EHS Support, LLC			FWSID.		L				A	naly	sis F	dupes	stec	1					
Address: 187 Oakvlew Drive	Due Date Request	ed:			Section.												8	Preservation Codes:	
City: New Lenox	TAT Requested (d	sys): 16 Da	y s		000000000000000000000000000000000000000	4			E	EL SUBCONTRACT								B-NaCH N-	Hexane None AsNeO2
State, Zip: IL, 60451	Compliance Projec	et: A Yes	Δ No		000				SUBCONTRACT)	COM	RACT							D - Nitric Acid P - E - NaHSO4 O -	N#204S N#2503
Phone: 312-814-7034 (Tel)	PO #: PRP_C01880				0.895				UBCO	808	COM							G - Amchior S - I	Na2S2O3 H2SO4 TSP Dodacahydrate
Email: bonnie.stadelmann@ehs-support.com	WO.≢: 038				2						E)							l-los U-,	Acetorie MCAA
Project Name SBA Shipyard LA Fish Tissue	Project #: 41008551		······································		Ž.				(EFGS Seatthe	ury (EFGS-Sea	SAMPLE (SEE CONTRACT)			-			1		pH 4-5 citier (apacify)
Site: SBA Shipyard Superfund Site, Jennings, LA	SSOW#:	 			3	O SIM PAH			ary (E	Arca	SGED						Cone	Other: DI - Dry Ice	
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MRBKGD-DN-CRA01	06/20/21	1730	6	Tissue	Ħ	×	×	×	Х	X	х			1			8	Process tall tissue and h logether, per SOP provid	repatopancreas
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Eurofins Lancaster Laboratories Env. LLC

2425 New Holland Pike Lancaster, PA 17601

Chain of Custody Record



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Mode (737) 030-2300	Sampler:		<u></u>	LabP	iu: y, Joh <i>i</i>	. 6 <i>8</i>			**************************************	**********	že vo(ma n	Car	rier Tra	clung N	lo(a):			COC No: 410-24911-7577.1		
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Ms. Bonnie Stadelmann	(215) 870-8984		PWSID:	John	n Cady	@Eu	rofins	et.com	1			LA						Page 1 of 3	-	
Company: EHS Support, LLC			, (10.D.						An	alyai	s R	eque	sted				,		********	
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City: New Lenox	TAT Requested (de	iya): 15 Daj	ув						5	Mercury (CFGS-Seattle SUBCOATRACT)								B - NaOH I C - Zn Acetate (i - None 3 - AsNeO2	
State, Zip: N., 60451	Compliance Projec	t: Δ Ye# Δ) No		11												180	E-NaHSO4	2 - Na2048 2 - Na2803	İ
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bonnie.stadeimann@ehs-support.com	038 Project #:									y EFGS.							Ę	K - EDTA	N - pH 4-5	
Project Name: SBA Shipyard LA Fish Tissue	41008551				1 () es				3	2		-					2	4	E - other (specify)	
Site: SBA Shipyard Superfund Site, Jennings, LA	\$SOW#:				d S				TCIM	Merc	7					-	oo jo	Other: Di - Dry Ice		
Sample identification	Sample Date	Sample Time	Type (m (C=comp, o	ntrix weer, seed, seed/oil, seed. ArAb)	Flad Filtered	HAY WES CONTRACT	Participant of Di	% Lipids	<u> </u>	1631 Low Lavel Marcu					- 12		X Total Number of		ructions/Note:	- 1551
W16-PET05			 	16110	ፗ) _	T,	*	×	$\downarrow \downarrow$	ユ	二	#			士		Process fish fillet (bo	th sides, no skin, i	ill fish
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Non-Hazard Plammable San Irritant Pols	Ja Gikno	wn 🖵	adiological				Retur	TO C	lient			-bis	osal:				Arc	hive For 6	Months	
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Peliguished by: Nelly Brun 5717.	100 1437	UI E	P	age	12	of 4	2 "	ta	N	Œ	_	********		····		,	(/	0	J	

2425 New Holland Pike Lancaster, PA 17601 Phone (717) 858-2300

Chain of Custody Record

KZ205501,

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Environment To Gog

Sampler: Carner Tracking freest: Andrew Miano (EHS Support) Cady, John M Cilent information 410-24911-7577.1 Client Contact: State of Origin Page: Ms. Bonnie Stadelmann (215) 870-6984 John.Cady@Eurofinset.com Page 1 of 3 PWSID. Campany EHS Support, LLC Analysis Requested Due Date Requested: Address: Preservation Codes: 167 Dakview Drive M - Hexans TAT Requested (days): B - NaOH N - None 15 Days New Lenox 1630 Methyl Mercury (EFGS-Seathe SUBCONTRACT) C - Zri Acetete O - AsNaO2 HOLD HOMOGENZED SAMPLE (SEE CONTRACT) P - Na2O48 State, Zio: D - Nitrie Acid IL. 60451 Compilance Project: A Yes A No E - NaHSO4 Q - Na2503 F - MaQH R - NA25203 Phone: G - Amphior 6 - H25C4 PRP_C01860 312-914-7034 (Tel) M - Ascorbic Acid T - TSP Dodecahydrate WO # U - Acetone 038 J - Di Water V-MCAA bonnie.stadelmann@ehs-support.com K EDTA W - pH 4-5 Project Name: rojaci #: L - EDA Z - other (specify) SBA Shipvard LA Fish Tissue 41006551 SSOW Other: Di - Dry Ice SBA Shipyard Superfund Site, Jennings, LA Matrix Sample Type 8-salki, Sample {C≃comp, Sample identification Sample Date Time G=grab) Special instructions/Note: Preservation Code; DI DI DI DI Di DI Process fish fillet (both sides, no skin, all fish provided in sample) -4 +553 16/20/21 X х DUP-BFT-0001 Tissue X Х 100 X MS-BFT-0001 Tissue Х Х Х Х X Process fish fillet (both sides, no skin, all fish MSD-BFT-0001 Tissue Х Х Х Х Х Х provided in sample) - 4 F, Sh Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Possible Hazard Identification radiological Polson B Return To Client Disposal By Lab Non-Hazard Iammable and Irritant Lonknown Archive For Months Special instructions/QC Requirements: Deliverable Requested: Level II Deliverable Empty Kit Relinquished by: Date: Velhod of Shipment Time: Date/Time: Company Company Received by: Relinquished by: 062221 EHS Support Company Relinquished by: Company Received by Date/Time: Reimquished by: Company tecalyed by coper Temperature(s) *C and Other | Remarks Custody Seals Intact: Custody Seal No. A Yes A No Page 13 of 42 Hause VENIMUISLA by Excly Bu 5/17/22 1437 ENE

2425 New Holland Pike Lancaster, PA 17801

Chain of Custody Record

KZ10550

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one (717) 656-2300	Sampler. Andrew Mieno (E	HS Support	t)	Cac	PM: ly, Joh	n M		************	**********			T	BITIM!	Fraciung	No(s):	· · · · · · · · · · · · · · · · · · ·		GOG No: 410-24911-7577.1	
ant Contact: 3. Bonnie Stadelmann	Phone: (215) 870-6984			w.a	u. n.Cady	y ⊚ Eu	rofins	el.co	m				Usia of A	Origin:				Page 1 of 3	
mp#ity:			PWSID:						Δr	nlu	nia i	Requ	este	ıd				Job ¥:	
tS Support, LLC	Due Date Requeste	<u>}</u> d:]			T			T		Preservation Codes:	······································
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ite, Zip: , 80451	Compliance Project	: Δ Y## Δ	No		11				E G	8	TRA								Na2503 Na25203
one: 12-914-7034 (Tel)	PO#: PRP_C01880				ايا				SUBC	2	03		ı					H - Ascorbic Atid T -	H2504 TSP Dodecshydrate
neil: onnie.stadelmann@ehs-support.com	WO#: 038				2				a the	SSEE	E (SE							J - Di Water V -	Acatone MCAA
olaci Name	Project #: 41008551				78				Bercuy (EFGS-Seathe SUBCONTRACT)	MY (EFGS Seathe SUBCONTRACT)	AMP		l	ŀ			er of containers		- pH 4-5 other (specify)
BA Shipyard LA Fish Tissue	SSOW#:) eddme				<u>5</u>	5	e e						8	Other: Di - Dry Ice	
BA Shipyard Superfund Site, Jennings, LA					-S				Sertic	*	SENE								
sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (virusus, eneglis, Ornestatos, ET-Tissus, Andin	Field Filters	AZTOD SIR PAH	% Moistare	% Cipids	1630 Methy!	1631 LOW LA	HOLD HOMOGENIZED SAMPLE (SEE CONTRACT)						Total Numb	Special instra	uctions/Note:
ample identification		\mathbb{X}		tion Code:	\boxtimes	DI	Di	Di	Δī	DI	ĎΙ					1	X		
AC & DETO?				Tinua	+	 ×	¥	Υ.	¥	Y	Υ	\rightarrow	\perp	\pm			955 486	Process fish fillet (both provided in sample)	
AC-8-BFT02	06/20/21	1100	9	Tissus		/ x	X	х	Х	Х	Х						32	Process fish fillet (both provided in sample)	aides, no akin, ali fil
AC-8-CRA05	62221	1305	Ġ	Tissue	П	х	х	х	X	х	X							Process tall tissue and together, per SOP prov	hapatopancreax
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Possible Hazard Identification Non-Hazard Hemmable Sun Imitant I	Poison a Conkno	wn 🗔	diological]3			pose n To I			ney			By L			Arci	hive For6	Months
Deliverable Requested: Level II Deliverable	0.00712	****			s	pecia					quin								
Empty Kit Relinquished by:		Date:			Timi	Ð:					***************************************		Ţ,	lethod o	d Shipm	ent			
Relinquished by	Dete/Time 0622	0/ 1/	20	Company		Rec	alved	by:		١	********				Date	Time:		ļ¢.	хпр≋пу
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Custody Seals Intact: Custody Seal No.						C∞	er TE	mpera	lure(L) *C #	nd Ot	hei Reg	narka		-3	65	>		
relinguished by Zeedly Bon 6	11E 5/17/22	1438	1	Page 1	4 of	42			E		1/2	=-	ce	//				(8/22 C	F 01/162019

Cooler Receipt and Preservation Form Service Request K22 Unloaded: 5/18/22 Received: <u>5/18/2</u>2 USPS 1. Samples were received via? Fed Ex UPS DHL PDX Courier Hand Delivered Samples were received in: (circle) Cooler Envèlope Other Box NA 3. Were custody seals on coolers? NA N. If yes, how many and where? _ If present, were custody seals intact? Y If present, were they signed and dated? N N Out of temp Notified IR Gun Cooler #/COC ID/NA Temp Blank Sample Temp indicate with "X" If out of temp Tracking Number NA Filed 4. Was a Temperature Blank present in cooler? NA) N If yes, notate the temperature in the appropriate column above: If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp"; 5. Were samples received within the method specified temperature ranges? N If no, were they received on ice and same day as collected? If not, notate the cooler # below and notify the PM. If applicable, tissue samples were received: (Frozen Partially Thawed Thawed 6. Packing material: Inserts Baggies Bubble Wrap Gel Packs Wet Ice Dry Ice Sleeves 7. Were custody papers properly filled out (ink, signed, etc.)? NA N Were samples received in good condition (unbroken) N Were all sample labels complete (ie, analysis, preservation, etc.)? N NA 10. Did all sample labels and tags agree with custody papers? NA N 11. Were appropriate bottles/containers and volumes received for the tests indicated? NA N 12. Were the pH-preserved bottles (see SMO GEN SOP) received at the appropriate pH? Indicate in the table below NA N 13. Were VOA vials received without headspace? Indicate in the table below. NA Y N 14. Was C12/Res negative? NA[°] N 15. Were 100ml sterile microbiology bottles filled exactly to the 100ml mark? NA. N Under filled Overfilled Sample ID on Bottle Sample ID on COC Identified by: **Bottle Count** Head-Volume Reagent Lot Sample ID **Bottle Type** space Broke added pH Reagent Number initials Time -6-BF182 ZAC-6-BF107 1/13/22 "DUR-BFT-000 (MS-BFT-0001, MSD-BFT-0001") UNACCOPAGE Page 15 of 42



Miscellaneous Forms

ALS Environmental—Kelso Laboratory 1317 South 13th Avenue, Kelso, WA 98626 Phone (360) 577-7222 Fax (360) 425-9096 www.alsglobal.com

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated value.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
 DOD-QSM 4.2 definition: Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.
- H The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

- # The control limit criteria is not applicable.
- J The result is an estimated value.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. DOD-QSM 4.2 definition: Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.
- Q See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimated value.
- J The result is an estimated value.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
 DOD-QSM 4.2 definition: Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEH	http://dec.alaska.gov/eh/lab/cs/csapproval.htm	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2795
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L16-58-R4
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Hawaii DOH	http://health.hawaii.gov/	-
ISO 17025	http://www.pjlabs.com/	L16-57
Louisiana DEQ	http://www.deq.louisiana.gov/page/la-lab-accreditation	03016
Maine DHS	http://www.maine.gov/dhhs/	WA01276
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-457
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA01276
New Jersey DEP	http://www.nj.gov/dep/enforcement/oqa.html	WA005
New York - DOH	https://www.wadsworth.org/regulatory/elap	12060
	https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-	
North Carolina DEQ	certification	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA100010
South Carolina DHEC	http://www.scdhec.gov/environment/EnvironmentalLabCertification/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704427
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C544
Wyoming (EPA Region 8)	https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water-	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.

Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

Acronyms

ASTM American Society for Testing and Materials

A2LA American Association for Laboratory Accreditation

CARB California Air Resources Board

CAS Number Chemical Abstract Service registry Number

CFC Chlorofluorocarbon
CFU Colony-Forming Unit

DEC Department of Environmental Conservation

DEQ Department of Environmental Quality

DHS Department of Health Services

DOE Department of Ecology
DOH Department of Health

EPA U. S. Environmental Protection Agency

ELAP Environmental Laboratory Accreditation Program

GC Gas Chromatography

GC/MS Gas Chromatography/Mass Spectrometry

LOD Limit of Detection
LOQ Limit of Quantitation

LUFT Leaking Underground Fuel Tank

M Modified

MCL Maximum Contaminant Level is the highest permissible concentration of a substance

allowed in drinking water as established by the USEPA.

MDL Method Detection Limit
MPN Most Probable Number
MRL Method Reporting Limit

NA Not Applicable
NC Not Calculated

NCASI National Council of the Paper Industry for Air and Stream Improvement

ND Not Detected

NIOSH National Institute for Occupational Safety and Health

PQL Practical Quantitation Limit

RCRA Resource Conservation and Recovery Act

SIM Selected Ion Monitoring

TPH Total Petroleum Hydrocarbons

tr Trace level is the concentration of an analyte that is less than the PQL but greater than or

equal to the MDL.

Analyst Summary report

Client: EHS Support LLC

Project: SBA Shipyard, LA/41006551 Service Request: K2205501

Sample Name: IAC-7-PFT03 Lab Code: K2205501-001

Animal Tissue **Sample Matrix:**

Date Collected: 06/19/21

Date Received: 05/18/22

Analysis Method

ALS SOP Frz Dry

Extracted/Digested By

GTRIGG

Analyzed By

BBRIGHT CLUKKEN

Sample Name: IAC-7-PFT03

Lab Code: K2205501-001.R01 Sample Matrix: Animal Tissue

Date Collected: 06/19/21

Date Received: 05/18/22

Analysis Method

ALS SOP

Extracted/Digested By

GTRIGG

Analyzed By

BBRIGHT

IAC-7-BFT03 **Sample Name:** Lab Code:

Sample Matrix:

K2205501-002 Animal Tissue

Date Collected: 06/19/21 **Date Received:** 05/18/22

Analysis Method

ALS SOP Frz Dry

Extracted/Digested By

GTRIGG

Analyzed By

BBRIGHT CLUKKEN

Sample Name:

IAC-7-BFT03 K2205501-002.R01

Lab Code: Sample Matrix:

Animal Tissue

Date Collected: 06/19/21

Date Received: 05/18/22

Analysis Method

ALS SOP

Extracted/Digested By

GTRIGG

Analyzed By

BBRIGHT

Analyst Summary report

Client: EHS Support LLC

Project: SBA Shipyard, LA/41006551

Service Request: K2205501

Sample Name: MRBKGD-UP-PFT06

Lab Code: K2205501-003 **Sample Matrix:** Animal Tissue

Date Collected: 06/18/21 **Date Received:** 05/18/22

Analysis Method

ALS SOP Frz Dry Extracted/Digested By

GTRIGG

Analyzed By

BBRIGHT CLUKKEN

Sample Name: MRBKGD-UP-PFT06 Lab Code: K2205501-003.R01

Sample Matrix: Animal Tissue

Date Collected: 06/18/21 **Date Received:** 05/18/22

Analysis Method

ALS SOP

Extracted/Digested By

GTRIGG

Analyzed By

BBRIGHT

Sample Name: MRBKGD-UP-BFT06

Lab Code: Sample Matrix: K2205501-004 Animal Tissue **Date Collected:** 06/20/21 **Date Received:** 05/18/22

Analysis Method

ALS SOP Frz Dry Extracted/Digested By

GTRIGG

Analyzed By

BBRIGHT CLUKKEN

Sample Name:

Sample Matrix:

Lab Code:

MRBKGD-UP-BFT06 K2205501-004.R01 Animal Tissue **Date Collected:** 06/20/21

Date Received: 05/18/22

Analysis Method

ALS SOP

Extracted/Digested By

GTRIGG

Analyzed By

BBRIGHT



Sample Results

ALS Environmental—Kelso Laboratory 1317 South 13th Avenue, Kelso, WA 98626 Phone (360) 577-7222 Fax (360) 425-9096 www.alsglobal.com



Semivolatile Organic Compounds by GC

ALS Environmental—Kelso Laboratory 1317 South 13th Avenue, Kelso, WA 98626 Phone (360) 577-7222 Fax (360) 425-9096 www.alsglobal.com

Analytical Report

Client: EHS Support LLC

Project: SBA Shipyard, LA/41006551

Animal Tissue

Service Request: K2205501

Date Collected: 06/19/21 10:30

Date Received: 05/18/22 09:50

IAC-7-PFT03 K2205501-001 Units: ug/Kg
Basis: Wet

Butyltins

Analysis Method: ALS SOP

Sample Matrix:

Sample Name:

Lab Code:

Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
n-Butyltin Cation	0.34 ј	0.93	0.18	1	06/03/22 14:22	5/26/22	
Di-n-butyltin Cation	ND U	0.93	0.11	1	06/03/22 14:22	5/26/22	*
Tri-n-butyltin Cation	ND U	0.93	0.11	1	06/03/22 14:22	5/26/22	*

Surrogate Name% RecControl LimitsDate AnalyzedQTri-n-propyltin4423 - 14506/03/22 14:22

Analytical Report

Client: EHS Support LLC

Project: SBA Shipyard, LA/41006551

Sample Matrix: Animal Tissue

Service Request: K2205501

Date Collected: 06/19/21 10:00

Date Received: 05/18/22 09:50

Butyltins

Analysis Method: ALS SOP **Prep Method:** Method

Sample Name:

Lab Code:

Analyte Name Result **MRL MDL** Dil. **Date Analyzed Date Extracted** Q 0.96 0.18 06/03/22 13:33 5/26/22 0.26 J n-Butyltin Cation 0.96 0.11 06/03/22 13:33 5/26/22 ND U 1 Di-n-butyltin Cation 1 5/26/22 ND U 0.96 0.11 06/03/22 13:33 Tri-n-butyltin Cation

Surrogate Name% RecControl LimitsDate AnalyzedQTri-n-propyltin5423 - 14506/03/22 13:33

Analytical Report

Client: EHS Support LLC

Project: SBA Shipyard, LA/41006551

Sample Matrix: Animal Tissue

Service Request: K2205501

Date Collected: 06/18/21 12:00

Date Received: 05/18/22 09:50

Sample Name: MRBKGD-UP-PFT06

Lab Code: K2205501-003

Units: ug/Kg

Basis: Wet

Butyltins

Analysis Method: ALS SOP

Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
n-Butyltin Cation	ND U	0.97	0.18	1	06/03/22 13:49	5/26/22	
Di-n-butyltin Cation	ND U	0.97	0.11	1	06/03/22 13:49	5/26/22	*
Tri-n-butyltin Cation	ND U	0.97	0.11	1	06/03/22 13:49	5/26/22	*

Surrogate Name% RecControl LimitsDate AnalyzedQTri-n-propyltin3923 - 14506/03/22 13:49

Analytical Report

Client: EHS Support LLC

SBA Shipyard, LA/41006551

Animal Tissue **Sample Matrix:**

Date Collected: 06/20/21 11:30

Service Request: K2205501

Date Received: 05/18/22 09:50

Sample Name: MRBKGD-UP-BFT06

Lab Code: K2205501-004 Units: ug/Kg

Basis: Wet

Butyltins

Analysis Method: ALS SOP

Project:

Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
n-Butyltin Cation	ND U	0.98	0.18	1	06/03/22 14:06	5/26/22	
Di-n-butyltin Cation	ND U	0.98	0.11	1	06/03/22 14:06	5/26/22	*
Tri-n-butyltin Cation	ND U	0.98	0.11	1	06/03/22 14:06	5/26/22	*

Surrogate Name % Rec **Date Analyzed** 06/03/22 14:06 Q **Control Limits** 41 23 - 145 Tri-n-propyltin



Metals

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Analytical Report

Client: EHS Support LLC

Project: SBA Shipyard, LA/41006551 **Date Collected:** 06/19/21 10:30

Sample Matrix: Animal Tissue Date Received: 05/18/22 09:50

Sample Name: IAC-7-PFT03 Basis: Wet

Lab Code: K2205501-001

Inorganic Parameters

Analysis
Analyte Name Method Result Units MRL MDL Dil. Date Analyzed Q
Total Solids Freeze Dry 22.1 Percent - - 1 05/24/22 15:31

Analytical Report

Client: EHS Support LLC

Project: SBA Shipyard, LA/41006551 **Date Collected:** 06/19/21 10:00

Sample Matrix: Animal Tissue Date Received: 05/18/22 09:50

Sample Name: IAC-7-BFT03 Basis: Wet

Lab Code: K2205501-002

Inorganic Parameters

Analysis
Analyte Name Method Result Units MRL MDL Dil. Date Analyzed Q
Total Solids Freeze Dry 20.6 Percent - - 1 05/24/22 15:31

Analytical Report

Client: EHS Support LLC

Project: SBA Shipyard, LA/41006551 **Date Collected:** 06/18/21 12:00

Sample Matrix: Animal Tissue Date Received: 05/18/22 09:50

Sample Name: MRBKGD-UP-PFT06 Basis: Wet

Lab Code: K2205501-003

Inorganic Parameters

Analysis
Analyte Name Method Result Units MRL MDL Dil. Date Analyzed Q
Total Solids Freeze Dry 20.7 Percent - - 1 05/24/22 15:31

Analytical Report

Client: EHS Support LLC

Project: SBA Shipyard, LA/41006551 **Date Collected:** 06/20/21 11:30

Sample Matrix: Animal Tissue Date Received: 05/18/22 09:50

Sample Name: MRBKGD-UP-BFT06 Basis: Wet

Lab Code: K2205501-004

Inorganic Parameters

Analysis
Analyte Name Method Result Units MRL MDL Dil. Date Analyzed Q
Total Solids Freeze Dry 20.4 Percent - - 1 05/24/22 15:31



QC Summary Forms

ALS Environmental—Kelso Laboratory 1317 South 13th Avenue, Kelso, WA 98626 Phone (360) 577-7222 Fax (360) 425-9096 www.alsglobal.com



Semivolatile Organic Compounds by GC

ALS Environmental—Kelso Laboratory 1317 South 13th Avenue, Kelso, WA 98626 Phone (360) 577-7222 Fax (360) 425-9096 www.alsglobal.com

QA/QC Report

Client: EHS Support LLC Service Request: K2205501

Project: SBA Shipyard, LA/41006551

Sample Matrix: Animal Tissue

SURROGATE RECOVERY SUMMARY

Butyltins

Analysis Method: ALS SOP **Extraction Method:** Method

Lab Control Sample

Sample Name	Lab Code	23-145	
IAC-7-PFT03	K2205501-001	44	
IAC-7-BFT03	K2205501-002	54	
MRBKGD-UP-PFT06	K2205501-003	39	
MRBKGD-UP-BFT06	K2205501-004	41	
Method Blank	KQ2208741-04	49	

31

KQ2208741-03

Analytical Report

Client: EHS Support LLC

Service Request: K2205501

Project: SBA Shipyard, LA/41006551

Date Collected: NA

Sample Matrix: Animal Tissue

Date Received: NA

Sample Name: Method Blank Lab Code: KQ2208741-04

Units: ug/Kg
Basis: Wet

Butyltins

Analysis Method:

ALS SOP

Prep Method:

Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
n-Butyltin Cation	ND U	0.93	0.18	1	06/03/22 12:43	5/26/22	
Di-n-butyltin Cation	ND U	0.93	0.11	1	06/03/22 12:43	5/26/22	
Tri-n-butyltin Cation	ND U	0.93	0.11	1	06/03/22 12:43	5/26/22	

Surrogate Name% RecControl LimitsDate AnalyzedQTri-n-propyltin4923 - 14506/03/22 12:43

QA/QC Report

Client: EHS Support LLC

Project: SBA Shipyard, LA/41006551

Sample Matrix: Animal Tissue

Service Request: Date Analyzed: K2205501 06/03/22

Date Extracted:

05/26/22

Lab Control Sample Summary

Butyltins

Analysis Method: ALS SOP

Prep Method: Method

Units:

ug/Kg

Basis:

Wet

Analysis Lot: 766491

Lab Control Sample KQ2208741-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Di-n-butyltin Cation	12.4	38.3	32	27-141
n-Butyltin Cation	11.9	31.2	38	10-152
Tri-n-butyltin Cation	15.5	44.6	35	25-124

Confirmation Results

Client: EHS Support LLC

Project: SBA Shipyard, LA/41006551

SRM Matrix: Animal Tissue

Sample Name: IAC-7-PFT03

Lab Code: K2205501-001

Service Request: K2205501

Date Collected: 06/19/21 10:30

Date Received: 5/18/22

Units: ug/Kg

Basis: Wet

Butyltins

Analytical Method: ALS SOP **Prep Method:** Method

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
n-Butyltin Cation	0.18	0.34	0.43	23	J	1	06/03/22 14:22

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client: **EHS Support LLC**

Project: SBA Shipyard, LA/41006551

SRM Matrix:

Animal Tissue

Sample Name:

Lab Code:

IAC-7-BFT03

K2205501-002

Service Request: K2205501

Date Collected: 06/19/21 10:00

Date Received: 5/18/22

Units: ug/Kg

Basis: Wet

Butyltins

Analytical Method: ALS SOP **Prep Method:** Method

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
n-Butyltin Cation	0.18	0.26	0.33	24	J	1	06/03/22 13:33

ALS Group USA, Corp. dba ALS Environmental

Confirmation Results

Client: EHS Support LLC

Project: SBA Shipyard, LA/41006551

SRM Matrix: Animal Tissue

Sample Name: Lab Control Sample

Lab Code: KQ2208741-03

Units: ug/Kg Basis: Wet

Service Request: K2205501

Date Collected: NA

Date Received:

Butyltins

Analytical Method: ALS SOP Prep Method: Method

		Primary	Confirmation	Dilution				
	MDL	Result	Result	RPD	Q	Factor	Date Analyzed	
Di-n-butyltin Cation	0.11	12.4	18.5	39		1	06/03/22 13:00	
Tri-n-butyltin Cation	0.11	15.5	21.9	34		1	06/03/22 13:00	
n-Butyltin Cation	0.18	11.9	16.0	29		1	06/03/22 13:00	



Metals

ALS Environmental—Kelso Laboratory 1317 South 13th Avenue, Kelso, WA 98626 Phone (360) 577-7222 Fax (360) 425-9096 www.alsglobal.com

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: EHS Support LLC

Project SBA Shipyard, LA/41006551 Date Collected: 06/19/21

Sample Matrix: Animal Tissue Date Received: 05/18/22

Date Analyzed: 05/24/22

Service Request: K2205501

Replicate Sample Summary Inorganic Parameters

Sample Name: IAC-7-PFT03 Units: Percent

Lab Code: K2205501-001 **Basis:** Wet

Duplicate Sample

Analysis Sample K2205501-O01DUP

Analyte Name Method MRL MDL Result Result Average RPD RPD Limit
Total Solids Freeze Dry - - 22.1 21.9 22.0 <1 20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Michael Torres SBA Shipyard Superfund Site - 2021 Fish Tissue Sampling Results July 26, 2022



Eurofins Analytical Report

ANALYTICAL REPORT

Eurofins Lancaster Laboratories Env, LLC 2425 New Holland Pike Lancaster, PA 17601 Tel: (717)656-2300

Laboratory Job ID: 410-44718-1

Client Project/Site: SBA Shipyard LA Fish Tissue

Revision: 1

For:

eurofins 🙀

EHS Support, LLC 167 Oakview Drive New Lenox, Illinois 60451

Attn: Jon Hamilton

Authorized for release by: 8/20/2021 11:55:53 AM

John Cady, Senior Project Manager (832)763-8082

John.Cady@Eurofinset.com

.....LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: www.eurofinsus.com/Env The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Client: EHS Support, LLC

Project/Site: SBA Shipyard LA Fish Tissue

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- · QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
- · Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
- · Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative. Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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John Cady

Senior Project Manager

8/20/2021 11:55:53 AM

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Definitions/Glossary

Client: EHS Support, LLC Job ID: 410-44718-1

Project/Site: SBA Shipyard LA Fish Tissue

Qualifiers

	i VOA

Qualifier	Qualifier Description					
*3	ISTD response or retention time outside acceptable limits.					
F1	MS and/or MSD recovery exceeds control limits.					
F2	MS/MSD RPD exceeds control limits					
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.					
S1-	Surrogate recovery exceeds control limits, low biased.					
S1+	Surrogate recovery exceeds control limits, high biased.					
General Chemistry						
Qualifier	Qualifier Description					

Qualifier	Qualifier Description
Н	Sample was prepped or analyzed beyond the specified holding time
H3	Sample was received and analyzed past holding time.

Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)

MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present PQL **Practical Quantitation Limit**

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Eurofins Lancaster Laboratories Env, LLC

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8/20/2021 (Rev. 1)

Case Narrative

Client: EHS Support, LLC

Project/Site: SBA Shipyard LA Fish Tissue

Job ID: 410-44718-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Narrative

Job Narrative 410-44718-1

Revision

This is a revised report replacing the original report dated 8-13-2021. This report corrects the subcontract data to report as wet weight and not dry weight corrected.

Receipt

The samples were received on 6/23/2021 10:57 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were -48.1°C, -36.5°C, -33.4°C and -21.2°C

Receipt Exceptions

The following samples were found to be frozen solid upon receipt by the laboratory. The samples and containers appeared to be intact. Samples received with intent to be frozen.

The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC): DUP BFT-0001, MS-BFT-001 and MSD-BFT-001 were listed on the COC along with the MS/MSD marked for sample IAC-6-BFT02. The container was labeled DUP-BFT-001, MS-BFT-001, MSD-BFT-001 and the IAC-6-BFT02 sample labels. The MS/MSD were assigned to IAC-6-BFT02. MS-BFT-001 and MSD-BFT-001 was not logged in. DUP BFT-0001 was renamed IAC-6-BFT02 DUP.

Subcontracting

The following analyses were subcontracted to Eurofins Frontier Global Sciences LLC: Low Level Hg EPA 1631 Methyl Mercury EPA 1630

GC/MS Semi VOA

Method 8270E_SIM: The following samples were diluted due to the nature of the sample matrix: IAI-1-CRA02 (410-44718-13), IAC-5-CRA03 (410-44718-14), IAI-8-CRA04 (410-44718-15), IAC-6-BFT02 DUP (410-44718-16) and IAC-6-CRA05 (410-44718-18). Elevated reporting limits (RLs) are provided.

Method 8270E_SIM: The following samples were diluted due to the nature of the sample matrix: MRBKGD-DN-BFT01 (410-44718-1), MRBKGD-DN-CRA01 (410-44718-2), IAI-6-BFT05 (410-44718-3), IAI-6-CRA08 (410-44718-4), IAC-7-PFT03 (410-44718-5), IAC-7-BFT03 (410-44718-6), MRBKGD-UP-PFT06 (410-44718-8), MRBKGD-UP-BFT06 (410-44718-9), MRBKGD-UP-CRA09 (410-44718-10), IAI-7-BFT04 (410-44718-11), IAI-7-CRA07 (410-44718-12) and IAC-6-BFT02 (410-44718-17). Elevated reporting limits (RLs) are provided.

Method 8270E_SIM: Internal standard responses were outside of acceptance limits for the following sample: IAI-8-CRA04 (410-44718-15). Re-analysis was performed with concurring results.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Subcontract Lab non-Sister Lab

See attached subcontract report.

Job ID: 410-44718-1

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Client: EHS Support, LLC

Project/Site: SBA Shipyard LA Fish Tissue

Client Sample ID: MRBK	Lab Sample ID: 4	110-44718-1			
Analyte	Result Qualifier	NONE	NONE Unit	Dil Fac D Method	Prep Type

Sample Homogenized pass NONE Homogenize Percent Lipids 3.5 0.20 0.050 % Lipids Total/NA

Client Sample ID: MRBKGD-DN-CRA01	Lab Sample ID: 410-44718-2
_	

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac D	Method	Prep Type
Acenaphthene	70		66	26	ug/Kg		8270E SIM	Total/NA
Acenaphthylene	65	J	66	13	ug/Kg	10	8270E SIM	Total/NA
Anthracene	180		66	26	ug/Kg	10	8270E SIM	Total/NA
Benzo[a]anthracene	240		66	26	ug/Kg	10	8270E SIM	Total/NA
Benzo[a]pyrene	85		66	26	ug/Kg	10	8270E SIM	Total/NA
Benzo[b]fluoranthene	98		66	26	ug/Kg	10	8270E SIM	Total/NA
Benzo[g,h,i]perylene	26	J	66	26	ug/Kg	10	8270E SIM	Total/NA
Benzo[k]fluoranthene	100		66	26	ug/Kg	10	8270E SIM	Total/NA
Chrysene	210		66	13	ug/Kg	10	8270E SIM	Total/NA
Dibenz(a,h)anthracene	36	J	66	26	ug/Kg	10	8270E SIM	Total/NA
Fluoranthene	760		66	26	ug/Kg	10	8270E SIM	Total/NA
Fluorene	110		66	26	ug/Kg	10	8270E SIM	Total/NA
Indeno[1,2,3-cd]pyrene	36	J	66	26	ug/Kg	10	8270E SIM	Total/NA
Phenanthrene	190		92	39	ug/Kg	10	8270E SIM	Total/NA
Pyrene	320		66	26	ug/Kg	10	8270E SIM	Total/NA
Sample Homogenized	pass				NONE	1	Homogenize Tiss	Total/NA
Percent Lipids	2.9		0.20	0.050	%	1	Lipids	Total/NA

Client Sample ID: IAI-6-BFT05

Lab Sample ID: 410-44718-3

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Sample Homogenized	pass				NONE	1	_	Homogenize	Total/NA
								Tiss	
Percent Lipids	0.85		0.20	0.050	%	1		Lipids	Total/NA

Client Sample ID: IAI-6-CRA08

Lab Sample ID: 410-44718-4

Analyte	Result Qualifier	RL	MDL Un	nit Dil Fac	D	Method	Prep Type
Phenanthrene	46 J	91	39 ug/	g/Kg 10) _	8270E SIM	Total/NA
Sample Homogenized	pass		NC	ONE	I	Homogenize Tiss	Total/NA
Percent Lipids	3.8	0.20	0.050 %	1	1	Lipids	Total/NA

Client Sample ID: IAC-7-PFT03

Lab Sample ID: 410-44718-5

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Sample Homogenized	pass				NONE	1		Homogenize	Total/NA
								Tiss	
Percent Lipids	1.9		0.20	0.050	%	1		Lipids	Total/NA

Client Sample ID: IAC-7-BFT03

Lab Sample ID: 410-44718-6

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Sample Homogenized	pass				NONE			Homogenize	Total/NA
								Tiss	
Percent Lipids	1.3		0.20	0.050	%	1		Lipids	Total/NA

This Detection Summary does not include radiochemical test results.

Client: EHS Support, LLC Project/Site: SBA Shipyard LA Fish Tissue

Client Sample ID: IAC-7	7-CRA06					Lab S	Sa	mple ID: 4	10-44718-
_ Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Sample Homogenized	pass				NONE		_	Homogenize	Total/NA
-	·							Tiss	
lient Sample ID: MRB	KGD-UP-PF1	⁻ 06				Lab S	Sa	mple ID: 4	10-44718-
Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Sample Homogenized	pass				NONE		_	Homogenize	Total/NA
								Tiss	
Percent Lipids	2.3		0.20	0.050	%	1		Lipids	Total/NA
Client Sample ID: MRB	KGD-UP-BF1	Г06				Lab S	Sa	mple ID: 4	10-44718-
Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Sample Homogenized	pass				NONE	1	_	Homogenize	Total/NA
								Tiss	
Percent Lipids	1.6		0.20	0.050	%	1		Lipids	Total/NA
lient Sample ID: MRB	KGD-UP-CR	409				Lab Sa	am	ple ID: 410	0-44718-1
Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Sample Homogenized	pass				NONE	1	_	Homogenize	Total/NA
					•			Tiss	
Percent Lipids	3.9		0.20	0.050	%	1		Lipids	Total/NA
lient Sample ID: IAI-7	-BFT04					Lab Sa	an	ple ID: 41	0-44718-1
Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Sample Homogenized	pass				NONE	1	_	Homogenize	Total/NA
								Tiss	
Percent Lipids	1.2		0.20	0.050	%	1		Lipids	Total/NA
lient Sample ID: IAI-7-	-CRA07					Lab Sa	am	ple ID: 410	0-44718-1
Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Sample Homogenized	pass				NONE	1	_	Homogenize	Total/NA
								Tiss	
Percent Lipids	4.5		0.20	0.050	%	1		Lipids	Total/NA
lient Sample ID: IAI-1	-CRA02					Lab Sa	am	ple ID: 410	0-44718-1
Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Sample Homogenized	pass				NONE	1	_	Homogenize	Total/NA
Percent Lipids	2.0		0.20	0.050	%	1		Tiss Lipids	Total/NA
Client Sample ID: IAC-	5-CRA03					Lab Sa	am	ple ID: 410	0-44718-1
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	240		65	26			_	8270E SIM	Total/NA
Chrysene	24	J	65	13		10		8270E SIM	Total/NA
Fluoranthene	160		65	26		10		8270E SIM	Total/NA
	34		65		ug/Kg	10		8270E SIM	Total/NA
Fluorene	34	U	00	20	ug/itg			OZ / OL OIIVI	i o tai, i ti t
Fluorene Phenanthrene	130	·	90			10		8270E SIM	Total/NA

This Detection Summary does not include radiochemical test results.

2.1

Percent Lipids

Eurofins Lancaster Laboratories Env, LLC

Tiss

Lipids

0.20

0.050 %

Total/NA

Detection Summary

Client: EHS Support, LLC Job ID: 410-44718-1

Project/Site: SBA Shipyard LA Fish Tissue

Client Sample ID: IAI-8-CRA04	Lab Sample ID: 410-44718-15

	Analyte	Result Q	ualifier NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
	Sample Homogenized	pass			NONE	1	_	Homogenize	Total/NA
	Devent Linide	1.2	0.20	0.050	0/	1		Tiss	Total/NA
Į	Percent Lipids	1.3	0.20	0.050	%	ı		Lipids	IOIal/NA

Client Sample ID: IAC-6-BFT02 DUP Lab Sample ID: 410-44718-16

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Sample Homogenized	pass				NONE	1	_	Homogenize	Total/NA
								Tiss	
Percent Lipids	0.47		0.20	0.050	%	1		Lipids	Total/NA

Client Sample ID: IAC-6-BFT02

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Sample Homogenized	pass				NONE	1		Homogenize	Total/NA
								Tiss	
Percent Lipids	0.56		0.20	0.050	%	1		Lipids	Total/NA

Client Sample ID: IAC-6-CRA05

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac D	Method	Prep Type
Sample Homogenized	pass				NONE		Homogenize Tiss	Total/NA
Percent Lipids	3.0		0.20	0.050	%	1	Lipids	Total/NA

This Detection Summary does not include radiochemical test results.

8/20/2021 (Rev. 1)

Lab Sample ID: 410-44718-17

Lab Sample ID: 410-44718-18

Client Sample Results

Client: EHS Support, LLC Job ID: 410-44718-1

Project/Site: SBA Shipyard LA Fish Tissue

Client Sample ID: MRBKGD-DN-BFT01

Lab Sample ID: 410-44718-1 Date Collected: 06/18/21 12:30 **Matrix: Tissue**

Date Received: 06/23/21 10:57

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 02:20	10
Acenaphthylene	ND		66	13	ug/Kg		07/14/21 17:30	07/17/21 02:20	10
Anthracene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 02:20	10
Benzo[a]anthracene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 02:20	10
Benzo[a]pyrene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 02:20	10
Benzo[b]fluoranthene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 02:20	10
Benzo[g,h,i]perylene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 02:20	10
Benzo[k]fluoranthene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 02:20	10
Chrysene	ND		66	13	ug/Kg		07/14/21 17:30	07/17/21 02:20	10
Dibenz(a,h)anthracene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 02:20	10
Fluoranthene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 02:20	10
Fluorene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 02:20	10
Indeno[1,2,3-cd]pyrene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 02:20	10
Naphthalene	ND		130	53	ug/Kg		07/14/21 17:30	07/17/21 02:20	10
Phenanthrene	ND		93	40	ug/Kg		07/14/21 17:30	07/17/21 02:20	10
Pyrene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 02:20	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	53	36 - 119	07/14/21 17:30	07/17/21 02:20	10
1-Methylnaphthalene-d10 (Surr)	49	37 - 110	07/14/21 17:30	07/17/21 02:20	10
Fluoranthene-d10 (Surr)	69	41 - 135	07/14/21 17:30	07/17/21 02:20	10

General Chemistry

۱	General Chemistry									
	Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
	Sample Homogenized	pass				NONE			07/07/21 21:10	1
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Percent Lipids	3.5		0.20	0.050	%			07/09/21 21:00	1
	Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Percent Moisture	80.0	H	1.0	1.0	%			07/08/21 13:31	1
	Percent Solids	20.0	Н	1.0	1.0	%			07/08/21 13:31	1

Client Sample ID: MRBKGD-DN-CRA01

Lab Sample ID: 410-44718-2 Date Collected: 06/20/21 17:30 Date Received: 06/23/21 10:57

Method: 8270E	SIM - Semivolatile	Organic Compounds	(GC/MS SIM)
Metriou. 02/05	SIIVI - SEIIIIVOIAIIIE	Organic Compounds	TUC/IVIO SIIVII

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	70		66	26	ug/Kg		07/14/21 17:30	07/17/21 02:51	10
Acenaphthylene	65	J	66	13	ug/Kg		07/14/21 17:30	07/17/21 02:51	10
Anthracene	180		66	26	ug/Kg		07/14/21 17:30	07/17/21 02:51	10
Benzo[a]anthracene	240		66	26	ug/Kg		07/14/21 17:30	07/17/21 02:51	10
Benzo[a]pyrene	85		66	26	ug/Kg		07/14/21 17:30	07/17/21 02:51	10
Benzo[b]fluoranthene	98		66	26	ug/Kg		07/14/21 17:30	07/17/21 02:51	10
Benzo[g,h,i]perylene	26	J	66	26	ug/Kg		07/14/21 17:30	07/17/21 02:51	10
Benzo[k]fluoranthene	100		66	26	ug/Kg		07/14/21 17:30	07/17/21 02:51	10
Chrysene	210		66	13	ug/Kg		07/14/21 17:30	07/17/21 02:51	10
Dibenz(a,h)anthracene	36	J	66	26	ug/Kg		07/14/21 17:30	07/17/21 02:51	10
Fluoranthene	760		66	26	ug/Kg		07/14/21 17:30	07/17/21 02:51	10
Fluorene	110		66	26	ug/Kg		07/14/21 17:30	07/17/21 02:51	10
Indeno[1,2,3-cd]pyrene	36	J	66	26	ug/Kg		07/14/21 17:30	07/17/21 02:51	10

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8/20/2021 (Rev. 1)

Matrix: Tissue

Client: EHS Support, LLC Project/Site: SBA Shipyard LA Fish Tissue

Client Sample ID: MRBKGD-DN-CRA01

Date Collected: 06/20/21 17:30 Date Received: 06/23/21 10:57

Lab Sample ID: 410-44718-2

Matrix: Tissue

Method: 8270E SIM - Semive Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		130	53	ug/Kg		07/14/21 17:30	07/17/21 02:51	10
Phenanthrene	190		92	39	ug/Kg		07/14/21 17:30	07/17/21 02:51	10
Pyrene	320		66	26	ug/Kg		07/14/21 17:30	07/17/21 02:51	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	61		36 - 119				07/14/21 17:30	07/17/21 02:51	10
1-Methylnaphthalene-d10 (Surr)	0	S1-	37 - 110				07/14/21 17:30	07/17/21 02:51	10
Fluoranthene-d10 (Surr)	351	S1+	41 - 135				07/14/21 17:30	07/17/21 02:51	10
General Chemistry									
Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	pass				NONE			07/07/21 21:10	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Lipids	2.9		0.20	0.050	%			07/09/21 21:00	1

RL

1.0

1.0

RL Unit

1.0 %

1.0 %

D

Prepared

Result Qualifier

79.3 H

20.7 H

Client Sample ID: IAI-6-BFT05

Date Collected: 06/18/21 09:15

Analyte

Percent Moisture

Percent Solids

Lab Sample ID: 410-44718-3

Analyzed

07/08/21 13:31

07/08/21 13:31

Matrix: Tissue

Dil Fac

Method: 8270E SIM - Semive	_	•	•	•	11!4	_	Dunamana d	Amahmad	Dil E
Analyte	Result	Qualifier		MDL		D	Prepared 07/14/21 17:30	Analyzed 07/17/21 03:22	Dil Fac
Acenaphthene Acenaphthylene	ND ND		66		ug/Kg		07/14/21 17:30		10
Anthracene	ND ND		66		ug/Kg ug/Kg			07/17/21 03:22	10
Benzo[a]anthracene	ND		66		ug/Kg ug/Kg			07/17/21 03:22	10
Benzo[a]pyrene	ND ND		66		ug/Kg ug/Kg				10
Benzo[a]pyrene Benzo[b]fluoranthene	ND ND		66		0 0			07/17/21 03:22	10
Benzo[g,h,i]perylene	ND		66		ug/Kg			07/17/21 03:22	10
10: 11: 7	ND ND				ug/Kg			07/17/21 03:22	
Benzo[k]fluoranthene			66		ug/Kg				10
Chrysene	ND		66		ug/Kg			07/17/21 03:22	10
Dibenz(a,h)anthracene	ND		66		ug/Kg			07/17/21 03:22	10
Fluoranthene	ND		66		ug/Kg			07/17/21 03:22	10
Fluorene	ND		66		ug/Kg			07/17/21 03:22	10
Indeno[1,2,3-cd]pyrene	ND		66		ug/Kg			07/17/21 03:22	10
Naphthalene	ND		130		ug/Kg			07/17/21 03:22	10
Phenanthrene	ND		93	40	ug/Kg		07/14/21 17:30	07/17/21 03:22	10
Pyrene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 03:22	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	39		36 - 119				07/14/21 17:30	07/17/21 03:22	10
1-Methylnaphthalene-d10 (Surr)	47		37 - 110				07/14/21 17:30	07/17/21 03:22	10
Fluoranthene-d10 (Surr)	38	S1-	41 - 135				07/14/21 17:30	07/17/21 03:22	10
General Chemistry									
Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	pass				NONE			07/07/21 21:10	

Project/Site: SBA Shipyard LA Fish Tissue

Client Sample ID: IAI-6-BFT05

Date Collected: 06/18/21 09:15 Date Received: 06/23/21 10:57

Client: EHS Support, LLC

Lab Sample ID: 410-44718-3

Matrix: Tissue

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Lipids	0.85		0.20	0.050	%			07/09/21 21:00	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	80.4	Н	1.0	1.0	%			07/08/21 13:31	1
Percent Solids	19.6	Н	1.0	1.0	%			07/08/21 13:31	1

Client Sample ID: IAI-6-CRA08 Lab Sample ID: 410-44718-4

Date Collected: 06/20/21 18:00 Matrix: Tissue

Date Received: 06/23/21 10:57

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 03:53	10
Acenaphthylene	ND		65	13	ug/Kg		07/14/21 17:30	07/17/21 03:53	10
Anthracene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 03:53	10
Benzo[a]anthracene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 03:53	10
Benzo[a]pyrene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 03:53	10
Benzo[b]fluoranthene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 03:53	10
Benzo[g,h,i]perylene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 03:53	10
Benzo[k]fluoranthene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 03:53	10
Chrysene	ND		65	13	ug/Kg		07/14/21 17:30	07/17/21 03:53	10
Dibenz(a,h)anthracene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 03:53	10
Fluoranthene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 03:53	10
Fluorene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 03:53	10
Indeno[1,2,3-cd]pyrene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 03:53	10
Naphthalene	ND		130	52	ug/Kg		07/14/21 17:30	07/17/21 03:53	10
Phenanthrene	46	J	91	39	ug/Kg		07/14/21 17:30	07/17/21 03:53	10
Pyrene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 03:53	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	69		36 - 119	07/14/21 17:30	07/17/21 03:53	10
1-Methylnaphthalene-d10 (Surr)	0	S1-	37 - 110	07/14/21 17:30	07/17/21 03:53	10
Fluoranthene-d10 (Surr)	472	S1+	41 - 135	07/14/21 17:30	07/17/21 03:53	10

General Chemistry									
Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	pass				NONE			07/07/21 21:10	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Lipids	3.8		0.20	0.050	%			07/09/21 21:00	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	78.0	H	1.0	1.0	%			07/08/21 13:31	1
Percent Solids	22.0	н	1.0	1.0	%			07/08/21 13:31	1

Client Sample ID: IAC-7-PFT03

Date Collected: 06/19/21 10:30

Lab Sample ID: 410-44718-5

Matrix: Tissue

Date Received: 06/23/21 10:57

Method: 8270E SIM - Se	mivolatile Organic Compo	ounds (GC/MS	SIM)					
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND ND	66	26	ug/Kg		07/14/21 17:30	07/17/21 04:24	10
Acenaphthylene	ND	66	13	ug/Kg		07/14/21 17:30	07/17/21 04:24	10
Anthracene	ND	66	26	ua/Ka		07/14/21 17:30	07/17/21 04:24	10

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4 4

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Client Sample Results

Client: EHS Support, LLC Job ID: 410-44718-1

Project/Site: SBA Shipyard LA Fish Tissue

Client Sample ID: IAC-7-PFT03

Date Collected: 06/19/21 10:30

Date Received: 06/23/21 10:57

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	MD ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 04:24	10
Benzo[a]pyrene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 04:24	10
Benzo[b]fluoranthene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 04:24	10
Benzo[g,h,i]perylene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 04:24	10
Benzo[k]fluoranthene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 04:24	10
Chrysene	ND		66	13	ug/Kg		07/14/21 17:30	07/17/21 04:24	10
Dibenz(a,h)anthracene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 04:24	10
Fluoranthene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 04:24	10
Fluorene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 04:24	10
Indeno[1,2,3-cd]pyrene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 04:24	10
Naphthalene	ND		130	53	ug/Kg		07/14/21 17:30	07/17/21 04:24	10
Phenanthrene	ND		92	39	ug/Kg		07/14/21 17:30	07/17/21 04:24	10
Pyrene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 04:24	10

Surrogate	%Recovery Qualit	fier Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	76	36 - 119	07/14/21 17:30	07/17/21 04:24	10
1-Methylnaphthalene-d10 (Surr)	107	37 - 110	07/14/21 17:30	07/17/21 04:24	10
Fluoranthene-d10 (Surr)	130	41 - 135	07/14/21 17:30	07/17/21 04:24	10

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	pass				NONE			07/07/21 21:10	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Lipids	1.9		0.20	0.050	%			07/09/21 21:00	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	79.5	H	1.0	1.0	%			07/08/21 13:31	1
Percent Solids	20.5	H	1.0	1.0	%			07/08/21 13:31	1

Lab Sample ID: 410-44718-6 Client Sample ID: IAC-7-BFT03 Date Collected: 06/19/21 10:00 **Matrix: Tissue**

Date Received: 06/23/21 10:57

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 04:55	10
Acenaphthylene	ND		66	13	ug/Kg		07/14/21 17:30	07/17/21 04:55	10
Anthracene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 04:55	10
Benzo[a]anthracene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 04:55	10
Benzo[a]pyrene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 04:55	10
Benzo[b]fluoranthene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 04:55	10
Benzo[g,h,i]perylene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 04:55	10
Benzo[k]fluoranthene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 04:55	10
Chrysene	ND		66	13	ug/Kg		07/14/21 17:30	07/17/21 04:55	10
Dibenz(a,h)anthracene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 04:55	10
Fluoranthene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 04:55	10
Fluorene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 04:55	10
Indeno[1,2,3-cd]pyrene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 04:55	10
Naphthalene	ND		130	53	ug/Kg		07/14/21 17:30	07/17/21 04:55	10
Phenanthrene	ND		93	40	ug/Kg		07/14/21 17:30	07/17/21 04:55	10
Pyrene	ND		66	26	ug/Kg		07/14/21 17:30	07/17/21 04:55	10

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Matrix: Tissue

Lab Sample ID: 410-44718-5

Project/Site: SBA Shipyard LA Fish Tissue

Client Sample ID: IAC-7-BFT03

Date Collected: 06/19/21 10:00 Date Received: 06/23/21 10:57

Client: EHS Support, LLC

Lab Sample ID: 410-44718-6

Matrix: Tissue

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	42	36 - 119	07/14/21 17:30	07/17/21 04:55	10
1-Methylnaphthalene-d10 (Surr)	47	37 - 110	07/14/21 17:30	07/17/21 04:55	10
Fluoranthene-d10 (Surr)	44	41 - 135	07/14/21 17:30	07/17/21 04:55	10

General Chemistry Analyte Result Qualifier NONE **NONE Unit** D Prepared Analyzed Dil Fac Sample Homogenized NONE 07/07/21 21:10 pass Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac 1.3 0.20 0.050 % 07/09/21 21:00 **Percent Lipids** Analyte Result Qualifier RL **RL Unit** D Prepared Analyzed Dil Fac **Percent Moisture** 80.3 1.0 1.0 % 07/08/21 13:31 н **Percent Solids** 1.0 1.0 % 07/08/21 13:31 19.7 H

Lab Sample ID: 410-44718-7 Client Sample ID: IAC-7-CRA06 Date Collected: 05/18/21 11:45 **Matrix: Tissue**

Date Received: 06/23/21 10:57

General Chemistry Analyte Result Qualifier NONE **NONE Unit** Prepared Analyzed Dil Fac 07/07/21 21:10 NONE **Sample Homogenized** pass

Lab Sample ID: 410-44718-8 Client Sample ID: MRBKGD-UP-PFT06

Date Collected: 06/18/21 12:00 **Matrix: Tissue**

Date Received: 06/23/21 10:57

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) Result Qualifier Dil Fac Analyte **MDL** Unit D RL Prepared Analyzed Acenaphthene ND 66 26 ug/Kg 07/14/21 17:30 07/17/21 05:25 10 Acenaphthylene ND 66 07/14/21 17:30 07/17/21 05:25 10 ug/Kg 66 Anthracene ND ug/Kg 07/14/21 17:30 07/17/21 05:25 10 Benzo[a]anthracene ND 66 26 ug/Kg 07/14/21 17:30 07/17/21 05:25 10 ND 07/14/21 17:30 07/17/21 05:25 Benzo[a]pyrene 66 ug/Kg 10 Benzo[b]fluoranthene ND 66 26 ug/Kg 07/14/21 17:30 07/17/21 05:25 10 ND 66 26 07/14/21 17:30 07/17/21 05:25 Benzo[g,h,i]perylene ug/Kg 10 Benzo[k]fluoranthene ND 66 26 ug/Kg 07/14/21 17:30 07/17/21 05:25 10 Chrysene ND 66 07/14/21 17:30 07/17/21 05:25 10 ug/Kg Dibenz(a,h)anthracene 66 07/14/21 17:30 07/17/21 05:25 10 ND ug/Kg 07/14/21 17:30 07/17/21 05:25 Fluoranthene ND 66 26 ug/Kg 10 Fluorene ND 66 26 ug/Kg 07/14/21 17:30 07/17/21 05:25 10 Indeno[1,2,3-cd]pyrene ND 66 26 07/14/21 17:30 07/17/21 05:25 10 ug/Kg Naphthalene ND 130 ug/Kg 07/14/21 17:30 07/17/21 05:25 10 Phenanthrene ND 93 40 ug/Kg 07/14/21 17:30 07/17/21 05:25 10 ND 07/14/21 17:30 07/17/21 05:25 Pyrene 66 26 ug/Kg 10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac	
Benzo(a)pyrene-d12 (Surr)	67		36 - 119	07/14/21 17:30	07/17/21 05:25	10	
1-Methylnaphthalene-d10 (Surr)	98		37 - 110	07/14/21 17:30	07/17/21 05:25	10	
Fluoranthene-d10 (Surr)	79		41 - 135	07/14/21 17:30	07/17/21 05:25	10	

Client Sample Results

Client: EHS Support, LLC Job ID: 410-44718-1

Project/Site: SBA Shipyard LA Fish Tissue

Client Sample ID: MRBKGD-UP-PFT06

Date Collected: 06/18/21 12:00 Date Received: 06/23/21 10:57

Lab Sample ID: 410-44718-8

Matrix: Tissue

General Chemistry Analyte Sample Homogenized	Result	Qualifier	NONE	NONE	Unit NONE	<u>D</u> .	Prepared	Analyzed 07/07/21 21:10	Dil Fac
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Lipids	2.3		0.20	0.050	%		<u> </u>	07/09/21 21:00	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	78.9	H	1.0	1.0	%			07/08/21 13:31	1
Percent Solids	21.1	H	1.0	1.0	%			07/08/21 13:31	1

Client Sample ID: MRBKGD-UP-BFT06

Date Collected: 06/20/21 11:30 Date Received: 06/23/21 10:57

Lab Sample ID: 410-44718-9

Matrix: Tissue

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 05:56	10
Acenaphthylene	ND		65	13	ug/Kg		07/14/21 17:30	07/17/21 05:56	10
Anthracene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 05:56	10
Benzo[a]anthracene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 05:56	10
Benzo[a]pyrene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 05:56	10
Benzo[b]fluoranthene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 05:56	10
Benzo[g,h,i]perylene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 05:56	10
Benzo[k]fluoranthene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 05:56	10
Chrysene	ND		65	13	ug/Kg		07/14/21 17:30	07/17/21 05:56	10
Dibenz(a,h)anthracene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 05:56	10
Fluoranthene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 05:56	10
Fluorene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 05:56	10
Indeno[1,2,3-cd]pyrene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 05:56	10
Naphthalene	ND		130	52	ug/Kg		07/14/21 17:30	07/17/21 05:56	10
Phenanthrene	ND		91	39	ug/Kg		07/14/21 17:30	07/17/21 05:56	10
Pyrene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 05:56	10

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	57	36 - 119	07/14/21 17:30	07/17/21 05:56	10
1-Methylnaphthalene-d10 (Surr)	73	37 - 110	07/14/21 17:30	07/17/21 05:56	10
Fluoranthene-d10 (Surr)	82	41 - 135	07/14/21 17:30	07/17/21 05:56	10

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Camara	Chamiatma
General	l Chemistry

Analyte Sample Homogenized	Result pass	Qualifier	NONE	NONE	Unit NONE	<u>D</u> .	Prepared	Analyzed 07/07/21 21:10	Dil Fac
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Lipids	1.6		0.20	0.050	%			07/09/21 21:00	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	80.4	H	1.0	1.0	%			07/08/21 13:31	1
Percent Solids	19.6	H	1.0	1.0	%			07/08/21 13:31	1

Client Sample Results

Client: EHS Support, LLC Job ID: 410-44718-1

Project/Site: SBA Shipyard LA Fish Tissue

Client Sample ID: MRBKGD-UP-CRA09

Lab Sample ID: 410-44718-10 Date Collected: 06/20/21 17:00

Date Received: 06/23/21 10:57

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Method: 8270E SIM	0 ! ! 4!! -	O	O	ACCURAC CURAL
I METHOD: X2/IIE SIM	- Samivolatila	urnanic	Compounds	ICACI/IVIS SIIVII

Analyte	Result Qual	lifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND ND	65	26	ug/Kg		07/14/21 17:30	07/17/21 06:27	10
Acenaphthylene	ND	65	13	ug/Kg		07/14/21 17:30	07/17/21 06:27	10
Anthracene	ND	65	26	ug/Kg		07/14/21 17:30	07/17/21 06:27	10
Benzo[a]anthracene	ND	65	26	ug/Kg		07/14/21 17:30	07/17/21 06:27	10
Benzo[a]pyrene	ND	65	26	ug/Kg		07/14/21 17:30	07/17/21 06:27	10
Benzo[b]fluoranthene	ND	65	26	ug/Kg		07/14/21 17:30	07/17/21 06:27	10
Benzo[g,h,i]perylene	ND	65	26	ug/Kg		07/14/21 17:30	07/17/21 06:27	10
Benzo[k]fluoranthene	ND	65	26	ug/Kg		07/14/21 17:30	07/17/21 06:27	10
Chrysene	ND	65	13	ug/Kg		07/14/21 17:30	07/17/21 06:27	10
Dibenz(a,h)anthracene	ND	65	26	ug/Kg		07/14/21 17:30	07/17/21 06:27	10
Fluoranthene	ND	65	26	ug/Kg		07/14/21 17:30	07/17/21 06:27	10
Fluorene	ND	65	26	ug/Kg		07/14/21 17:30	07/17/21 06:27	10
Indeno[1,2,3-cd]pyrene	ND	65	26	ug/Kg		07/14/21 17:30	07/17/21 06:27	10
Naphthalene	ND	130	52	ug/Kg		07/14/21 17:30	07/17/21 06:27	10
Phenanthrene	ND	91	39	ug/Kg		07/14/21 17:30	07/17/21 06:27	10
Pyrene	ND	65	26	ug/Kg		07/14/21 17:30	07/17/21 06:27	10
Surrogate	%Recovery Qual	lifier Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	70	36 - 119	07/14/21 17:30	07/17/21 06:27	10
1-Methylnaphthalene-d10 (Surr)	0 S1-	37 - 110	07/14/21 17:30	07/17/21 06:27	10
Fluoranthene-d10 (Surr)	243 S1+	41 - 135	07/14/21 17:30	07/17/21 06:27	10

General Chemistr	V
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General Chemistry									
Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	pass				NONE			07/07/21 21:10	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Lipids	3.9		0.20	0.050	%			07/09/21 21:00	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	78.9	H	1.0	1.0	%			07/08/21 13:31	1
Percent Solids	21.1	H	1.0	1.0	%			07/08/21 13:31	1

Client Sample ID: IAI-7-BFT04

Date Collected: 06/18/21 09:30

Date Received: 06/23/21 10:57

Lab Sample ID: 410-44718-11

Matrix: Tissue

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND ND	65	26	ug/Kg		07/14/21 17:30	07/17/21 06:58	10
Acenaphthylene	ND	65	13	ug/Kg		07/14/21 17:30	07/17/21 06:58	10
Anthracene	ND	65	26	ug/Kg		07/14/21 17:30	07/17/21 06:58	10
Benzo[a]anthracene	ND	65	26	ug/Kg		07/14/21 17:30	07/17/21 06:58	10
Benzo[a]pyrene	ND	65	26	ug/Kg		07/14/21 17:30	07/17/21 06:58	10
Benzo[b]fluoranthene	ND	65	26	ug/Kg		07/14/21 17:30	07/17/21 06:58	10
Benzo[g,h,i]perylene	ND	65	26	ug/Kg		07/14/21 17:30	07/17/21 06:58	10
Benzo[k]fluoranthene	ND	65	26	ug/Kg		07/14/21 17:30	07/17/21 06:58	10
Chrysene	ND	65	13	ug/Kg		07/14/21 17:30	07/17/21 06:58	10
Dibenz(a,h)anthracene	ND	65	26	ug/Kg		07/14/21 17:30	07/17/21 06:58	10
Fluoranthene	ND	65	26	ug/Kg		07/14/21 17:30	07/17/21 06:58	10
Fluorene	ND	65	26	ug/Kg		07/14/21 17:30	07/17/21 06:58	10
Indeno[1,2,3-cd]pyrene	ND	65	26	ug/Kg		07/14/21 17:30	07/17/21 06:58	10

Eurofins Lancaster Laboratories Env, LLC

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Matrix: Tissue

Client: EHS Support, LLC

Project/Site: SBA Shipyard LA Fish Tissue

Client Sample ID: IAI-7-BFT04

Date Collected: 06/18/21 09:30 Date Received: 06/23/21 10:57

Lab Sample ID: 410-44718-11

Matrix: Tissue

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		130	52	ug/Kg		07/14/21 17:30	07/17/21 06:58	10
Phenanthrene	ND		91	39	ug/Kg		07/14/21 17:30	07/17/21 06:58	10
Pyrene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 06:58	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	68		36 - 119				07/14/21 17:30	07/17/21 06:58	10
1-Methylnaphthalene-d10 (Surr)	76		37 - 110				07/14/21 17:30	07/17/21 06:58	10
Fluoranthene-d10 (Surr)	78		41 - 135				07/14/21 17:30	07/17/21 06:58	10
General Chemistry									
Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac

pass NONE 07/07/21 21:10 **Sample Homogenized** Result Qualifier RLMDL Unit D Dil Fac Analyte Prepared Analyzed **Percent Lipids** 1.2 0.20 0.050 % 07/09/21 21:00 Result Qualifier D Analyte RL **RL** Unit Dil Fac Prepared Analyzed 1.0 % **Percent Moisture** 80.3 H 1.0 07/08/21 13:31 **Percent Solids** 19.7 H 1.0 1.0 % 07/08/21 13:31

Client Sample ID: IAI-7-CRA07 Lab Sample ID: 410-44718-12 Date Collected: 06/22/21 13:14 **Matrix: Tissue**

Date Received: 06/23/21 10:57

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 07:29	10
Acenaphthylene	ND		65	13	ug/Kg		07/14/21 17:30	07/17/21 07:29	10
Anthracene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 07:29	10
Benzo[a]anthracene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 07:29	10
Benzo[a]pyrene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 07:29	10
Benzo[b]fluoranthene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 07:29	10
Benzo[g,h,i]perylene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 07:29	10
Benzo[k]fluoranthene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 07:29	10
Chrysene	ND		65	13	ug/Kg		07/14/21 17:30	07/17/21 07:29	10
Dibenz(a,h)anthracene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 07:29	10
Fluoranthene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 07:29	10
Fluorene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 07:29	10
Indeno[1,2,3-cd]pyrene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 07:29	10
Naphthalene	ND		130	52	ug/Kg		07/14/21 17:30	07/17/21 07:29	10
Phenanthrene	ND		91	39	ug/Kg		07/14/21 17:30	07/17/21 07:29	10
Pyrene	ND		65	26	ug/Kg		07/14/21 17:30	07/17/21 07:29	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	80		36 - 119				07/14/21 17:30	07/17/21 07:29	10
1-Methylnaphthalene-d10 (Surr)	0	S1-	37 - 110				07/14/21 17:30	07/17/21 07:29	10
Fluoranthene-d10 (Surr)	357	S1+	41 - 135				07/14/21 17:30	07/17/21 07:29	10
General Chemistry									
Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	pass				NONE			07/07/21 21:10	

Client: EHS Support, LLC

Project/Site: SBA Shipyard LA Fish Tissue

Client Sample ID: IAI-7-CRA07

Date Collected: 06/22/21 13:14 Date Received: 06/23/21 10:57

Lab Sample ID: 410-44718-12

Matrix: Tissue

Analyte **MDL** Unit D Result Qualifier RL **Prepared** Analyzed Dil Fac 0.050 % 07/09/21 21:00 **Percent Lipids** 0.20 4.5 **RL** Unit Analyte Result Qualifier RL D Prepared Analyzed Dil Fac 1.0 % **Percent Moisture** 77.8 H 1.0 07/08/21 13:31 **Percent Solids** 22.2 H 1.0 1.0 % 07/08/21 13:31

Client Sample ID: IAI-1-CRA02 Lab Sample ID: 410-44718-13

Date Collected: 06/22/21 13:00 **Matrix: Tissue**

Date Received: 06/23/21 10:57

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND ND	66	26	ug/Kg		07/14/21 17:30	07/19/21 09:36	10
Acenaphthylene	ND	66	13	ug/Kg		07/14/21 17:30	07/19/21 09:36	10
Anthracene	ND	66	26	ug/Kg		07/14/21 17:30	07/19/21 09:36	10
Benzo[a]anthracene	ND	66	26	ug/Kg		07/14/21 17:30	07/19/21 09:36	10
Benzo[a]pyrene	ND	66	26	ug/Kg		07/14/21 17:30	07/19/21 09:36	10
Benzo[b]fluoranthene	ND	66	26	ug/Kg		07/14/21 17:30	07/19/21 09:36	10
Benzo[g,h,i]perylene	ND	66	26	ug/Kg		07/14/21 17:30	07/19/21 09:36	10
Benzo[k]fluoranthene	ND	66	26	ug/Kg		07/14/21 17:30	07/19/21 09:36	10
Chrysene	ND	66	13	ug/Kg		07/14/21 17:30	07/19/21 09:36	10
Dibenz(a,h)anthracene	ND	66	26	ug/Kg		07/14/21 17:30	07/19/21 09:36	10
Fluoranthene	ND	66	26	ug/Kg		07/14/21 17:30	07/19/21 09:36	10
Fluorene	ND	66	26	ug/Kg		07/14/21 17:30	07/19/21 09:36	10
Indeno[1,2,3-cd]pyrene	ND	66	26	ug/Kg		07/14/21 17:30	07/19/21 09:36	10
Naphthalene	ND	130	53	ug/Kg		07/14/21 17:30	07/19/21 09:36	10
Phenanthrene	ND	92	39	ug/Kg		07/14/21 17:30	07/19/21 09:36	10
Pyrene	ND	66	26	ug/Kg		07/14/21 17:30	07/19/21 09:36	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	59		36 - 119	07/14/21 17:30	07/19/21 09:36	10
1-Methylnaphthalene-d10 (Surr)	22	S1-	37 - 110	07/14/21 17:30	07/19/21 09:36	10
Fluoranthene-d10 (Surr)	66		41 - 135	07/14/21 17:30	07/19/21 09:36	10

General Chemistry

Analyte Sample Homogenized	Result pass	Qualifier	NONE	NONE	Unit NONE	<u>D</u> _	Prepared	Analyzed 07/07/21 21:10	Dil Fac
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Lipids	2.0		0.20	0.050	%			07/09/21 21:00	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	79.6	H	1.0	1.0	%			07/08/21 13:31	1
Percent Solids	20.4	Н	1.0	1.0	%			07/08/21 13:31	1

Client Sample ID: IAC-5-CRA03

Date Collected: 06/21/21 16:30

Date Received: 06/23/21 10:57

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 10:06	10
Acenaphthylene	ND		65	13	ug/Kg		07/14/21 17:30	07/19/21 10:06	10
Anthracene	240		65	26	ug/Kg		07/14/21 17:30	07/19/21 10:06	10

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Lab Sample ID: 410-44718-14

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Matrix: Tissue

Client Sample Results

Client: EHS Support, LLC Job ID: 410-44718-1

Project/Site: SBA Shipyard LA Fish Tissue

Client Sample ID: IAC-5-CRA03

Lab Sample ID: 410-44718-14 Date Collected: 06/21/21 16:30 **Matrix: Tissue**

Date Received: 06/23/21 10:57

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 10:06	10
Benzo[a]pyrene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 10:06	10
Benzo[b]fluoranthene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 10:06	10
Benzo[g,h,i]perylene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 10:06	10
Benzo[k]fluoranthene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 10:06	10
Chrysene	24	J	65	13	ug/Kg		07/14/21 17:30	07/19/21 10:06	10
Dibenz(a,h)anthracene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 10:06	10
Fluoranthene	160		65	26	ug/Kg		07/14/21 17:30	07/19/21 10:06	10
Fluorene	34	J	65	26	ug/Kg		07/14/21 17:30	07/19/21 10:06	10
Indeno[1,2,3-cd]pyrene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 10:06	10
Naphthalene	ND		130	52	ug/Kg		07/14/21 17:30	07/19/21 10:06	10
Phenanthrene	130		90	39	ug/Kg		07/14/21 17:30	07/19/21 10:06	10
Pyrene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 10:06	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	57		36 - 119				07/14/21 17:30	07/19/21 10:06	10
1-Methylnaphthalene-d10 (Surr)	18	S1-	37 - 110				07/14/21 17:30	07/19/21 10:06	10
Fluoranthene-d10 (Surr)	70		41 - 135				07/14/21 17:30	07/19/21 10:06	10

General Chemistry Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	pass				NONE			07/07/21 21:10	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Lipids	2.1		0.20	0.050	%			07/09/21 21:00	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	78.8	H	1.0	1.0	%			07/08/21 13:31	1
Percent Solids	21.2	Н	1.0	1.0	%			07/08/21 13:31	1

Client Sample ID: IAI-8-CRA04 Lab Sample ID: 410-44718-15 Date Collected: 05/19/21 10:15 **Matrix: Tissue**

Date Received: 06/23/21 10:57

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		66	26	ug/Kg		07/14/21 17:30	07/19/21 10:36	10
Acenaphthylene	ND		66	13	ug/Kg		07/14/21 17:30	07/19/21 10:36	10
Anthracene	ND		66	26	ug/Kg		07/14/21 17:30	07/19/21 10:36	10
Benzo[a]anthracene	ND	*3	66	26	ug/Kg		07/14/21 17:30	07/19/21 10:36	10
Benzo[a]pyrene	ND		66	26	ug/Kg		07/14/21 17:30	07/19/21 10:36	10
Benzo[b]fluoranthene	ND		66	26	ug/Kg		07/14/21 17:30	07/19/21 10:36	10
Benzo[g,h,i]perylene	ND		66	26	ug/Kg		07/14/21 17:30	07/19/21 10:36	10
Benzo[k]fluoranthene	ND		66	26	ug/Kg		07/14/21 17:30	07/19/21 10:36	10
Chrysene	ND	*3	66	13	ug/Kg		07/14/21 17:30	07/19/21 10:36	10
Dibenz(a,h)anthracene	ND		66	26	ug/Kg		07/14/21 17:30	07/19/21 10:36	10
Fluoranthene	ND		66	26	ug/Kg		07/14/21 17:30	07/19/21 10:36	10
Fluorene	ND		66	26	ug/Kg		07/14/21 17:30	07/19/21 10:36	10
Indeno[1,2,3-cd]pyrene	ND		66	26	ug/Kg		07/14/21 17:30	07/19/21 10:36	10
Naphthalene	ND		130	53	ug/Kg		07/14/21 17:30	07/19/21 10:36	10
Phenanthrene	ND		93	40	ug/Kg		07/14/21 17:30	07/19/21 10:36	10
Pyrene	ND	*3	66	26	ug/Kg		07/14/21 17:30	07/19/21 10:36	10

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Client Sample Results

Client: EHS Support, LLC Job ID: 410-44718-1

Project/Site: SBA Shipyard LA Fish Tissue

Client Sample ID: IAI-8-CRA04

Lab Sample ID: 410-44718-15 Date Collected: 05/19/21 10:15 **Matrix: Tissue**

Date Received: 06/23/21 10:57

Surrogate		%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12	2 (Surr)	62		36 - 119	07/14/21 17:30	07/19/21 10:36	10
1-Methylnaphthalen	e-d10 (Surr)	0	S1-	37 - 110	07/14/21 17:30	0 07/19/21 10:36	10
Fluoranthene-d10 (S	Surr)	0	S1-	41 - 135	07/14/21 17:30	0 07/19/21 10:36	10

Fluoranthene-d10 (Surr)	0	S1-	41 - 135				07/14/21 17:30	07/19/21 10:36	10
General Chemistry						_			
Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	pass				NONE			07/07/21 21:10	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Lipids	1.3		0.20	0.050	%			07/09/21 21:00	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	81.1	H H3	1.0	1.0	%			07/08/21 13:31	1

Client Sample ID: IAC-6-BFT02 DUP

Lab Sample ID: 410-44718-16

Date Collected: 06/20/21 11:00 **Matrix: Tissue**

Date Received: 06/23/21 10:57

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 11:06	10
Acenaphthylene	ND		65	13	ug/Kg		07/14/21 17:30	07/19/21 11:06	10
Anthracene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 11:06	10
Benzo[a]anthracene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 11:06	10
Benzo[a]pyrene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 11:06	10
Benzo[b]fluoranthene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 11:06	10
Benzo[g,h,i]perylene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 11:06	10
Benzo[k]fluoranthene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 11:06	10
Chrysene	ND		65	13	ug/Kg		07/14/21 17:30	07/19/21 11:06	10
Dibenz(a,h)anthracene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 11:06	10
Fluoranthene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 11:06	10
Fluorene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 11:06	10
Indeno[1,2,3-cd]pyrene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 11:06	10
Naphthalene	ND		130	52	ug/Kg		07/14/21 17:30	07/19/21 11:06	10
Phenanthrene	ND		90	39	ug/Kg		07/14/21 17:30	07/19/21 11:06	10
Pyrene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 11:06	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	74		36 - 119				07/14/21 17:30	07/19/21 11:06	10
1-Methylnaphthalene-d10 (Surr)	73		37 - 110				07/14/21 17:30	07/19/21 11:06	10
Fluoranthene-d10 (Surr)	83		41 - 135				07/14/21 17:30	07/19/21 11:06	10

General Chemistry									
Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	pass				NONE			07/07/21 21:10	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Lipids	0.47		0.20	0.050	%			07/09/21 21:00	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	80.5	H	1.0	1.0	%			07/08/21 13:31	1
Percent Solids	19.5	Н	1.0	1.0	%			07/08/21 13:31	1

Client: EHS Support, LLC Project/Site: SBA Shipyard LA Fish Tissue

Client Sample ID: IAC-6-BFT02

Date Collected: 06/20/21 11:00 Date Received: 06/23/21 10:57

Lab Sample ID: 410-44718-17

07/14/21 17:30 07/17/21 00:47

07/14/21 17:30 07/17/21 00:47

Matrix: Tissue

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	MD	F1	65	26	ug/Kg		07/14/21 17:30	07/17/21 00:47	10
Acenaphthylene	ND	F2 F1	65	13	ug/Kg		07/14/21 17:30	07/17/21 00:47	10
Anthracene	ND	F2 F1	65	26	ug/Kg		07/14/21 17:30	07/17/21 00:47	10
Benzo[a]anthracene	ND	F2 F1	65	26	ug/Kg		07/14/21 17:30	07/17/21 00:47	10
Benzo[a]pyrene	ND	F2 F1	65	26	ug/Kg		07/14/21 17:30	07/17/21 00:47	10
Benzo[b]fluoranthene	ND	F2 F1	65	26	ug/Kg		07/14/21 17:30	07/17/21 00:47	10
Benzo[g,h,i]perylene	ND	F2 F1	65	26	ug/Kg		07/14/21 17:30	07/17/21 00:47	10
Benzo[k]fluoranthene	ND	F2 F1	65	26	ug/Kg		07/14/21 17:30	07/17/21 00:47	10
Chrysene	ND	F2 F1	65	13	ug/Kg		07/14/21 17:30	07/17/21 00:47	10
Dibenz(a,h)anthracene	ND	F2 F1	65	26	ug/Kg		07/14/21 17:30	07/17/21 00:47	10
Fluoranthene	ND	F2 F1	65	26	ug/Kg		07/14/21 17:30	07/17/21 00:47	10
Fluorene	ND	F1	65	26	ug/Kg		07/14/21 17:30	07/17/21 00:47	10
Indeno[1,2,3-cd]pyrene	ND	F2 F1	65	26	ug/Kg		07/14/21 17:30	07/17/21 00:47	10
Naphthalene	ND	F1	130	52	ug/Kg		07/14/21 17:30	07/17/21 00:47	10
Phenanthrene	ND	F1	91	39	ug/Kg		07/14/21 17:30	07/17/21 00:47	10
Pyrene	ND	F2 F1	65	26	ug/Kg		07/14/21 17:30	07/17/21 00:47	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	43		36 - 119				07/14/21 17:30	07/17/21 00:47	10

General Chemistry Analyte R	esult	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	pass				NONE			07/07/21 21:10	1
Analyte R	esult	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Lipids	0.56		0.20	0.050	%			07/09/21 21:00	1
Analyte R	esult	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	81.4	H	1.0	1.0	%			07/08/21 13:31	1
Percent Solids	18.6	H	1.0	1.0	%			07/08/21 13:31	1

37 - 110

41 - 135

7 S1-

35 S1-

Lab Sample ID: 410-44718-18 **Client Sample ID: IAC-6-CRA05** Date Collected: 06/22/21 13:05 **Matrix: Tissue**

Date Received: 06/23/21 10:57

1-Methylnaphthalene-d10 (Surr)

Fluoranthene-d10 (Surr)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 11:36	10
Acenaphthylene	ND		65	13	ug/Kg		07/14/21 17:30	07/19/21 11:36	10
Anthracene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 11:36	10
Benzo[a]anthracene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 11:36	10
Benzo[a]pyrene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 11:36	10
Benzo[b]fluoranthene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 11:36	10
Benzo[g,h,i]perylene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 11:36	10
Benzo[k]fluoranthene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 11:36	10
Chrysene	ND		65	13	ug/Kg		07/14/21 17:30	07/19/21 11:36	10
Dibenz(a,h)anthracene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 11:36	10
Fluoranthene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 11:36	10
Fluorene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 11:36	10
Indeno[1,2,3-cd]pyrene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 11:36	10

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Client Sample Results

Client: EHS Support, LLC Job ID: 410-44718-1

Project/Site: SBA Shipyard LA Fish Tissue

Client Sample ID: IAC-6-CRA05

Lab Sample ID: 410-44718-18 Date Collected: 06/22/21 13:05 **Matrix: Tissue**

Date Received: 06/23/21 10:57

Method: 8270E SIM - Semiv	olatile Organi	c Compou	nds (GC/MS	SIM) (Co	ontinued)			
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		130	52	ug/Kg		07/14/21 17:30	07/19/21 11:36	10
Phenanthrene	ND		91	39	ug/Kg		07/14/21 17:30	07/19/21 11:36	10
Pyrene	ND		65	26	ug/Kg		07/14/21 17:30	07/19/21 11:36	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	52		36 - 119				07/14/21 17:30	07/19/21 11:36	10
1-Methylnaphthalene-d10 (Surr)	14	S1-	37 - 110				07/14/21 17:30	07/19/21 11:36	10
Fluoranthene-d10 (Surr)	64		41 - 135				07/14/21 17:30	07/19/21 11:36	10
- General Chemistry									
Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Sample Homogenized	pass				NONE			07/07/21 21:10	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Lipids	3.0		0.20	0.050	%			07/09/21 21:00	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	77.8	H	1.0	1.0	%			07/08/21 13:31	1
Percent Solids	22.2	н	1.0	1.0	%			07/08/21 13:31	1

Surrogate Summary

Client: EHS Support, LLC Job ID: 410-44718-1

Project/Site: SBA Shipyard LA Fish Tissue

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Tissue Prep Type: Total/NA

10-44718-1 MRBKGD-DN-BFT01 53 49 69 10-44718-2 MRBKGD-DN-CRA01 61 0 S1- 351 S1+ 10-44718-3 IAI-6-BFT05 39 47 38 S1- 10-44718-4 IAI-6-CRA08 69 0 S1- 472 S1+ 10-44718-5 IAC-7-PFT03 76 107 130 10-44718-6 IAC-7-BFT03 42 47 44 10-44718-8 MRBKGD-UP-PFT06 67 98 79 10-44718-9 MRBKGD-UP-BFT06 57 73 82 10-44718-10 MRBKGD-UP-CRA09 70 0 S1- 243 S1+ 10-44718-11 IAI-7-BFT04 68 76 78 10-44718-12 IAI-7-CRA07 80 0 S1- 357 S1+ 10-44718-13 IAI-1-CRA02 59 22 S1- 66 10-44718-14 IAC-5-CRA03 57 18 S1- 70 10-44718-15 IAI-8-CRA04 62 0 S1- 0 S1- 10-44718-16 IAC-6-BFT02<				Pe	ercent Surr
10-44718-1 MRBKGD-DN-BFT01 53 49 69 10-44718-2 MRBKGD-DN-CRA01 61 0 S1- 351 S1+ 10-44718-3 IAI-6-BFT05 39 47 38 S1- 10-44718-4 IAI-6-CRA08 69 0 S1- 472 S1+ 10-44718-5 IAC-7-PFT03 76 107 130 10-44718-6 IAC-7-BFT03 42 47 44 10-44718-8 MRBKGD-UP-PFT06 67 98 79 10-44718-9 MRBKGD-UP-BFT06 57 73 82 10-44718-10 MRBKGD-UP-CRA09 70 0 S1- 243 S1+ 10-44718-11 IAI-7-BFT04 68 76 78 10-44718-12 IAI-7-CRA07 80 0 S1- 357 S1+ 10-44718-13 IAI-1-CRA02 59 22 S1- 66 10-44718-14 IAC-5-CRA03 57 18 S1- 70 10-44718-15 IAI-8-CRA04 62 0 S1- 0 S1- 10-44718-16 IAC-6-BFT02<			BAPd12	MNPd10	FLN10
MRBKGD-DN-CRA01 61 0 S1- 351 S1+ 10-44718-3 IAI-6-BFT05 39 47 38 S1- 10-44718-4 IAI-6-CRA08 69 0 S1- 472 S1+ 10-44718-5 IAC-7-PFT03 76 107 130 10-44718-6 IAC-7-BFT03 42 47 44 10-44718-8 MRBKGD-UP-PFT06 67 98 79 10-44718-9 MRBKGD-UP-BFT06 57 73 82 10-44718-10 MRBKGD-UP-CRA09 70 0 S1- 243 S1+ 10-44718-11 IAI-7-BFT04 68 76 78 10-44718-12 IAI-7-CRA07 80 0 S1- 357 S1+ 10-44718-13 IAI-1-CRA02 59 22 S1- 66 10-44718-14 IAC-5-CRA03 57 18 S1- 70 10-44718-15 IAI-8-CRA04 62 0 S1- 0 S1- 10-44718-16 IAC-6-BFT02 43 7 S1- 35 S1- 10-44718-17 MS IAC-6-BFT02 40 51 49 10-44718-17 MSD IAC-6-BFT02 40 51 49 10-44718-18 IAC-6-CRA05 52 14 S1- 64	Lab Sample ID	Client Sample ID	(36-119)	(37-110)	(41-135)
10-44718-3	410-44718-1	MRBKGD-DN-BFT01	53	49	69
10-44718-4 IAI-6-CRA08 69 0 S1- 472 S1+ 10-44718-5 IAC-7-PFT03 76 107 130 10-44718-6 IAC-7-BFT03 42 47 44 10-44718-8 MRBKGD-UP-PFT06 67 98 79 10-44718-9 MRBKGD-UP-BFT06 57 73 82 10-44718-10 MRBKGD-UP-CRA09 70 0 S1- 243 S1+ 10-44718-11 IAI-7-BFT04 68 76 78 10-44718-12 IAI-7-CRA07 80 0 S1- 357 S1+ 10-44718-13 IAI-1-CRA02 59 22 S1- 66 10-44718-14 IAC-5-CRA03 57 18 S1- 70 10-44718-15 IAI-8-CRA04 62 0 S1- 0 S1- 10-44718-16 IAC-6-BFT02 DUP 74 73 83 10-44718-17 IAC-6-BFT02 43 7 S1- 35 S1- 10-44718-17 MS IAC-6-BFT02 69 75 81 10-44718-17 MSD IAC-6-BFT02 40 51 49 10-44718-18 IAC-6-CRA05 52 14 S1- 64	410-44718-2	MRBKGD-DN-CRA01	61	0 S1-	351 S1+
10-44718-5 IAC-7-PFT03 76 107 130 10-44718-6 IAC-7-BFT03 42 47 44 10-44718-8 MRBKGD-UP-PFT06 67 98 79 10-44718-9 MRBKGD-UP-BFT06 57 73 82 10-44718-10 MRBKGD-UP-CRA09 70 0 S1- 243 S1+ 10-44718-11 IAI-7-BFT04 68 76 78 10-44718-12 IAI-7-CRA07 80 0 S1- 357 S1+ 10-44718-13 IAI-1-CRA02 59 22 S1- 66 10-44718-14 IAC-5-CRA03 57 18 S1- 70 10-44718-15 IAI-8-CRA04 62 0 S1- 0 S1- 10-44718-16 IAC-6-BFT02 DUP 74 73 83 10-44718-17 IAC-6-BFT02 43 7 S1- 35 S1- 10-44718-17 MS IAC-6-BFT02 69 75 81 10-44718-18 IAC-6-CRA05 52 14 S1- 64	410-44718-3	IAI-6-BFT05	39	47	38 S1-
10-44718-6 IAC-7-BFT03 42 47 44 10-44718-8 MRBKGD-UP-PFT06 67 98 79 10-44718-9 MRBKGD-UP-BFT06 57 73 82 10-44718-10 MRBKGD-UP-CRA09 70 0 S1- 243 S1+ 10-44718-11 IAI-7-BFT04 68 76 78 10-44718-12 IAI-7-CRA07 80 0 S1- 357 S1+ 10-44718-13 IAI-1-CRA02 59 22 S1- 66 10-44718-14 IAC-5-CRA03 57 18 S1- 70 10-44718-15 IAI-8-CRA04 62 0 S1- 0 S1- 10-44718-16 IAC-6-BFT02 DUP 74 73 83 10-44718-17 IAC-6-BFT02 43 7 S1- 35 S1- 10-44718-17 MS IAC-6-BFT02 69 75 81 10-44718-18 IAC-6-CRA05 52 14 S1- 64	410-44718-4	IAI-6-CRA08	69	0 S1-	472 S1+
10-44718-8 MRBKGD-UP-PFT06 67 98 79 10-44718-9 MRBKGD-UP-BFT06 57 73 82 10-44718-10 MRBKGD-UP-CRA09 70 0 S1- 243 S1+ 10-44718-11 IAI-7-BFT04 68 76 78 10-44718-12 IAI-7-CRA07 80 0 S1- 357 S1+ 10-44718-13 IAI-1-CRA02 59 22 S1- 66 10-44718-14 IAC-5-CRA03 57 18 S1- 70 10-44718-15 IAI-8-CRA04 62 0 S1- 0 S1- 10-44718-16 IAC-6-BFT02 DUP 74 73 83 10-44718-17 IAC-6-BFT02 43 7 S1- 35 S1- 10-44718-17 MS IAC-6-BFT02 69 75 81 10-44718-18 IAC-6-CRA05 52 14 S1- 64	410-44718-5	IAC-7-PFT03	76	107	130
10-44718-9 MRBKGD-UP-BFT06 57 73 82 10-44718-10 MRBKGD-UP-CRA09 70 0 S1- 243 S1+ 10-44718-11 IAI-7-BFT04 68 76 78 10-44718-12 IAI-7-CRA07 80 0 S1- 357 S1+ 10-44718-13 IAI-1-CRA02 59 22 S1- 66 10-44718-14 IAC-5-CRA03 57 18 S1- 70 10-44718-15 IAI-8-CRA04 62 0 S1- 0 S1- 10-44718-16 IAC-6-BFT02 DUP 74 73 83 10-44718-17 IAC-6-BFT02 43 7 S1- 35 S1- 10-44718-17 MS IAC-6-BFT02 69 75 81 10-44718-17 MSD IAC-6-BFT02 40 51 49 10-44718-18 IAC-6-CRA05 52 14 S1- 64	410-44718-6	IAC-7-BFT03	42	47	44
10-44718-10 MRBKGD-UP-CRA09 70 0 S1- 243 S1+ 10-44718-11 IAI-7-BFT04 68 76 78 10-44718-12 IAI-7-CRA07 80 0 S1- 357 S1+ 10-44718-13 IAI-1-CRA02 59 22 S1- 66 10-44718-14 IAC-5-CRA03 57 18 S1- 70 10-44718-15 IAI-8-CRA04 62 0 S1- 0 S1- 10-44718-16 IAC-6-BFT02 DUP 74 73 83 10-44718-17 IAC-6-BFT02 43 7 S1- 35 S1- 10-44718-17 MS IAC-6-BFT02 69 75 81 10-44718-17 MSD IAC-6-BFT02 40 51 49 10-44718-18 IAC-6-CRA05 52 14 S1- 64	410-44718-8	MRBKGD-UP-PFT06	67	98	79
10-44718-11 IAI-7-BFT04 68 76 78 10-44718-12 IAI-7-CRA07 80 0 S1- 357 S1+ 10-44718-13 IAI-1-CRA02 59 22 S1- 66 10-44718-14 IAC-5-CRA03 57 18 S1- 70 10-44718-15 IAI-8-CRA04 62 0 S1- 0 S1- 10-44718-16 IAC-6-BFT02 DUP 74 73 83 10-44718-17 IAC-6-BFT02 43 7 S1- 35 S1- 10-44718-17 MS IAC-6-BFT02 69 75 81 10-44718-17 MSD IAC-6-BFT02 40 51 49 10-44718-18 IAC-6-CRA05 52 14 S1- 64	410-44718-9	MRBKGD-UP-BFT06	57	73	82
10-44718-12 IAI-7-CRA07 80 0 S1- 357 S1+ 10-44718-13 IAI-1-CRA02 59 22 S1- 66 10-44718-14 IAC-5-CRA03 57 18 S1- 70 10-44718-15 IAI-8-CRA04 62 0 S1- 0 S1- 10-44718-16 IAC-6-BFT02 DUP 74 73 83 10-44718-17 IAC-6-BFT02 43 7 S1- 35 S1- 10-44718-17 MS IAC-6-BFT02 69 75 81 10-44718-17 MSD IAC-6-BFT02 40 51 49 10-44718-18 IAC-6-CRA05 52 14 S1- 64	410-44718-10	MRBKGD-UP-CRA09	70	0 S1-	243 S1+
10-44718-13 IAI-1-CRA02 59 22 S1- 66 10-44718-14 IAC-5-CRA03 57 18 S1- 70 10-44718-15 IAI-8-CRA04 62 0 S1- 0 S1- 10-44718-16 IAC-6-BFT02 DUP 74 73 83 10-44718-17 IAC-6-BFT02 43 7 S1- 35 S1- 10-44718-17 MS IAC-6-BFT02 69 75 81 10-44718-17 MSD IAC-6-BFT02 40 51 49 10-44718-18 IAC-6-CRA05 52 14 S1- 64	410-44718-11	IAI-7-BFT04	68	76	78
10-44718-14 IAC-5-CRA03 57 18 S1- 70 10-44718-15 IAI-8-CRA04 62 0 S1- 0 S1- 10-44718-16 IAC-6-BFT02 DUP 74 73 83 10-44718-17 IAC-6-BFT02 43 7 S1- 35 S1- 10-44718-17 MS IAC-6-BFT02 69 75 81 10-44718-17 MSD IAC-6-BFT02 40 51 49 10-44718-18 IAC-6-CRA05 52 14 S1- 64	410-44718-12	IAI-7-CRA07	80	0 S1-	357 S1+
10-44718-15 IAI-8-CRA04 62 0 S1- 0 S1- 10-44718-16 IAC-6-BFT02 DUP 74 73 83 10-44718-17 IAC-6-BFT02 43 7 S1- 35 S1- 10-44718-17 MS IAC-6-BFT02 69 75 81 10-44718-17 MSD IAC-6-BFT02 40 51 49 10-44718-18 IAC-6-CRA05 52 14 S1- 64	410-44718-13	IAI-1-CRA02	59	22 S1-	66
10-44718-16 IAC-6-BFT02 DUP 74 73 83 10-44718-17 IAC-6-BFT02 43 7 S1- 35 S1- 10-44718-17 MS IAC-6-BFT02 69 75 81 10-44718-17 MSD IAC-6-BFT02 40 51 49 10-44718-18 IAC-6-CRA05 52 14 S1- 64	410-44718-14	IAC-5-CRA03	57	18 S1-	70
10-44718-17 IAC-6-BFT02 43 7 S1- 35 S1- 10-44718-17 MS IAC-6-BFT02 69 75 81 10-44718-17 MSD IAC-6-BFT02 40 51 49 10-44718-18 IAC-6-CRA05 52 14 S1- 64	410-44718-15	IAI-8-CRA04	62	0 S1-	0 S1-
10-44718-17 MS IAC-6-BFT02 69 75 81 10-44718-17 MSD IAC-6-BFT02 40 51 49 10-44718-18 IAC-6-CRA05 52 14 S1- 64	410-44718-16	IAC-6-BFT02 DUP	74	73	83
10-44718-17 MSD IAC-6-BFT02 40 51 49 10-44718-18 IAC-6-CRA05 52 14 S1- 64	410-44718-17	IAC-6-BFT02	43	7 S1-	35 S1-
10-44718-18 IAC-6-CRA05 52 14 S1- 64	410-44718-17 MS	IAC-6-BFT02	69	75	81
	410-44718-17 MSD	IAC-6-BFT02	40	51	49
00 440 440407/0 P	410-44718-18	IAC-6-CRA05	52	14 S1-	64
35 410-148497/2-B Lab Control Sample 78 80 100	LCS 410-148497/2-B	Lab Control Sample	78	80	100
B 410-148497/1-B Method Blank 70 80 88	MB 410-148497/1-B	Method Blank	70	80	88

BAPd12 = Benzo(a)pyrene-d12 (Surr)

MNPd10 = 1-Methylnaphthalene-d10 (Surr)

FLN10 = Fluoranthene-d10 (Surr)

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Project/Site: SBA Shipyard LA Fish Tissue

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 410-148497/1-B

Matrix: Tissue

Analysis Batch: 149554

Client: EHS Support, LLC

Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 148497

	MB MB							
Analyte	Result Qualifie	er RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND	6.7	2.7	ug/Kg		07/14/21 17:30	07/16/21 21:43	1
Acenaphthylene	ND	6.7	1.3	ug/Kg		07/14/21 17:30	07/16/21 21:43	1
Anthracene	ND	6.7	2.7	ug/Kg		07/14/21 17:30	07/16/21 21:43	1
Benzo[a]anthracene	ND	6.7	2.7	ug/Kg		07/14/21 17:30	07/16/21 21:43	1
Benzo[a]pyrene	ND	6.7	2.7	ug/Kg		07/14/21 17:30	07/16/21 21:43	1
Benzo[b]fluoranthene	ND	6.7	2.7	ug/Kg		07/14/21 17:30	07/16/21 21:43	1
Benzo[g,h,i]perylene	ND	6.7	2.7	ug/Kg		07/14/21 17:30	07/16/21 21:43	1
Benzo[k]fluoranthene	ND	6.7	2.7	ug/Kg		07/14/21 17:30	07/16/21 21:43	1
Chrysene	ND	6.7	1.3	ug/Kg		07/14/21 17:30	07/16/21 21:43	1
Dibenz(a,h)anthracene	ND	6.7	2.7	ug/Kg		07/14/21 17:30	07/16/21 21:43	1
Fluoranthene	ND	6.7	2.7	ug/Kg		07/14/21 17:30	07/16/21 21:43	1
Fluorene	ND	6.7	2.7	ug/Kg		07/14/21 17:30	07/16/21 21:43	1
Indeno[1,2,3-cd]pyrene	ND	6.7	2.7	ug/Kg		07/14/21 17:30	07/16/21 21:43	1
Naphthalene	ND	13	5.3	ug/Kg		07/14/21 17:30	07/16/21 21:43	1
Phenanthrene	ND	9.3	4.0	ug/Kg		07/14/21 17:30	07/16/21 21:43	1
Pyrene	ND	6.7	2.7	ug/Kg		07/14/21 17:30	07/16/21 21:43	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	70	36 - 119	07/14/21 17:30	07/16/21 21:43	1
1-Methylnaphthalene-d10 (Surr)	80	37 - 110	07/14/21 17:30	07/16/21 21:43	1
Fluoranthene-d10 (Surr)	88	41 - 135	07/14/21 17:30	07/16/21 21:43	1

Lab Sample ID: LCS 410-148497/2-B

Matrix: Tissue

Analysis Batch: 149554

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 148497

•					•			
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Acenaphthene	66.7	56.3		ug/Kg		85	64 - 107	
Acenaphthylene	66.7	47.8		ug/Kg		72	62 - 112	
Anthracene	66.7	60.6		ug/Kg		91	66 - 115	
Benzo[a]anthracene	66.7	65.4		ug/Kg		98	71 - 127	
Benzo[a]pyrene	66.7	62.2		ug/Kg		93	73 - 118	
Benzo[b]fluoranthene	66.7	64.0		ug/Kg		96	71 - 134	
Benzo[g,h,i]perylene	66.7	62.3		ug/Kg		93	66 - 116	
Benzo[k]fluoranthene	66.7	62.0		ug/Kg		93	67 - 129	
Chrysene	66.7	63.0		ug/Kg		94	66 - 120	
Dibenz(a,h)anthracene	66.7	58.8		ug/Kg		88	65 - 130	
Fluoranthene	66.7	70.1		ug/Kg		105	77 - 121	
Fluorene	66.7	58.5		ug/Kg		88	67 - 118	
Indeno[1,2,3-cd]pyrene	66.7	62.8		ug/Kg		94	68 - 138	
Naphthalene	66.7	45.5		ug/Kg		68	48 - 104	
Phenanthrene	66.7	56.7		ug/Kg		85	67 - 111	
Pyrene	66.7	59.5		ug/Kg		89	54 - 121	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
Benzo(a)pyrene-d12 (Surr)	78		36 - 119
1-Methylnaphthalene-d10 (Surr)	80		37 - 110
Fluoranthene-d10 (Surr)	100		41 - 135

Client: EHS Support, LLC Project/Site: SBA Shipyard LA Fish Tissue

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: 410-44718-17 MS

Matrix: Tissue

Analysis Batch: 149554

Client Sample ID: IAC-6-BFT02 Prep Type: Total/NA Prep Batch: 148497

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	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Acenaphthene	ND	F1	66.2	39.9	J F1	ug/Kg		60	64 - 107
Acenaphthylene	ND	F2 F1	66.2	43.9	J	ug/Kg		66	62 - 112
Anthracene	ND	F2 F1	66.2	48.2	J	ug/Kg		73	66 - 115
Benzo[a]anthracene	ND	F2 F1	66.2	56.4	J	ug/Kg		85	71 - 127
Benzo[a]pyrene	ND	F2 F1	66.2	53.2	J	ug/Kg		80	73 - 118
Benzo[b]fluoranthene	ND	F2 F1	66.2	50.5	J	ug/Kg		76	71 - 134
Benzo[g,h,i]perylene	ND	F2 F1	66.2	48.2	J	ug/Kg		73	66 - 116
Benzo[k]fluoranthene	ND	F2 F1	66.2	44.5	J	ug/Kg		67	67 - 129
Chrysene	ND	F2 F1	66.2	47.8	J	ug/Kg		72	66 - 120
Dibenz(a,h)anthracene	ND	F2 F1	66.2	45.0	J	ug/Kg		68	65 - 130
Fluoranthene	ND	F2 F1	66.2	53.9	J	ug/Kg		81	77 - 121
Fluorene	ND	F1	66.2	44.3	J	ug/Kg		67	67 - 118
Indeno[1,2,3-cd]pyrene	ND	F2 F1	66.2	48.7	J	ug/Kg		74	68 - 138
Naphthalene	ND	F1	66.2	ND	F1	ug/Kg		0	48 - 104
Phenanthrene	ND	F1	66.2	47.1	J	ug/Kg		71	67 _ 111
Pyrene	ND	F2 F1	66.2	50.8	J	ug/Kg		77	54 - 121

MS MS

Surrogate	%Recovery	Qualifier	Limits
Benzo(a)pyrene-d12 (Surr)	69		36 - 119
1-Methylnaphthalene-d10 (Surr)	75		37 - 110
Fluoranthene-d10 (Surr)	81		41 - 135

Lab Sample ID: 410-44718-17 MSD

Matrix: Tissue

Analysis Batch: 149554

Client Sample ID: IAC-6-BFT02

Prep Type: Total/NA Prep Batch: 148497

Analysis batch: 149554									Prep Da	aten: 14	+049/
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Acenaphthene	ND	F1	65.8	36.7	J F1	ug/Kg		56	64 - 107	8	30
Acenaphthylene	ND	F2 F1	65.8	26.3	J F2 F1	ug/Kg		40	62 - 112	50	30
Anthracene	ND	F2 F1	65.8	28.6	J F2 F1	ug/Kg		43	66 - 115	51	30
Benzo[a]anthracene	ND	F2 F1	65.8	37.4	J F2 F1	ug/Kg		57	71 - 127	41	30
Benzo[a]pyrene	ND	F2 F1	65.8	32.4	J F2 F1	ug/Kg		49	73 - 118	49	30
Benzo[b]fluoranthene	ND	F2 F1	65.8	30.7	J F2 F1	ug/Kg		47	71 - 134	49	30
Benzo[g,h,i]perylene	ND	F2 F1	65.8	32.2	J F2 F1	ug/Kg		49	66 - 116	40	30
Benzo[k]fluoranthene	ND	F2 F1	65.8	31.6	J F2 F1	ug/Kg		48	67 - 129	34	30
Chrysene	ND	F2 F1	65.8	32.4	J F2 F1	ug/Kg		49	66 - 120	38	30
Dibenz(a,h)anthracene	ND	F2 F1	65.8	30.4	J F2 F1	ug/Kg		46	65 - 130	39	30
Fluoranthene	ND	F2 F1	65.8	33.6	J F2 F1	ug/Kg		51	77 - 121	46	30
Fluorene	ND	F1	65.8	32.9	J F1	ug/Kg		50	67 - 118	30	30
Indeno[1,2,3-cd]pyrene	ND	F2 F1	65.8	32.5	J F2 F1	ug/Kg		49	68 - 138	40	30
Naphthalene	ND	F1	65.8	ND	F1	ug/Kg		0	48 - 104	NC	30
Phenanthrene	ND	F1	65.8	ND	F1	ug/Kg		0	67 - 111	NC	30
Pyrene	ND	F2 F1	65.8	30.1	J F2 F1	ug/Kg		46	54 - 121	51	30

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
Benzo(a)pyrene-d12 (Surr)	40		36 - 119
1-Methylnaphthalene-d10 (Surr)	51		37 - 110
Fluoranthene-d10 (Surr)	49		41 - 135

Eurofins Lancaster Laboratories Env, LLC

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QC Sample Results

Client: EHS Support, LLC Job ID: 410-44718-1

Project/Site: SBA Shipyard LA Fish Tissue

Method: Lipids - Percent Lipids

Lab Sample ID: MB 410-146986/1

Matrix: Tissue

Analysis Batch: 146986

		МВ	МВ

Analyte Result Qualifier RL MDL Unit Analyzed Dil Fac Prepared 0.20 07/09/21 21:00 Percent Lipids ND 0.050 %

Lab Sample ID: LCS 410-146986/2

Matrix: Tissue

Analysis Batch: 146986

	Spike	LCS	LCS		%Rec.
Analyte	Added	Result	Qualifier Unit	D %Rec	Limits
Percent Linids	12.5	11.5		92	80 120

Lab Sample ID: LCSD 410-146986/3

Matrix: Tissue

Analysis Batch: 146986

7 thially old Datolli 1 10000									
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Percent Lipids	12.5	12.0		%		96	80 - 120	4	5

Lab Sample ID: 410-44718-17 DU

Matrix: Tissue

Analysis Batch: 146986

	Sample	Sample	DU	DU				RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	Limit
Percent Lipids	0.56		0.631		%		12	44

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: IAC-6-BFT02

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Client: EHS Support, LLC Job ID: 410-44718-1

Project/Site: SBA Shipyard LA Fish Tissue

GC/MS Semi VOA

Prep Batch: 148497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-44718-1	MRBKGD-DN-BFT01	Total/NA	Tissue	3546	
410-44718-2	MRBKGD-DN-CRA01	Total/NA	Tissue	3546	
410-44718-3	IAI-6-BFT05	Total/NA	Tissue	3546	
410-44718-4	IAI-6-CRA08	Total/NA	Tissue	3546	
410-44718-5	IAC-7-PFT03	Total/NA	Tissue	3546	
410-44718-6	IAC-7-BFT03	Total/NA	Tissue	3546	
410-44718-8	MRBKGD-UP-PFT06	Total/NA	Tissue	3546	
410-44718-9	MRBKGD-UP-BFT06	Total/NA	Tissue	3546	
410-44718-10	MRBKGD-UP-CRA09	Total/NA	Tissue	3546	
410-44718-11	IAI-7-BFT04	Total/NA	Tissue	3546	
410-44718-12	IAI-7-CRA07	Total/NA	Tissue	3546	
410-44718-13	IAI-1-CRA02	Total/NA	Tissue	3546	
410-44718-14	IAC-5-CRA03	Total/NA	Tissue	3546	
410-44718-15	IAI-8-CRA04	Total/NA	Tissue	3546	
410-44718-16	IAC-6-BFT02 DUP	Total/NA	Tissue	3546	
410-44718-17	IAC-6-BFT02	Total/NA	Tissue	3546	
410-44718-18	IAC-6-CRA05	Total/NA	Tissue	3546	
MB 410-148497/1-B	Method Blank	Total/NA	Tissue	3546	
LCS 410-148497/2-B	Lab Control Sample	Total/NA	Tissue	3546	
410-44718-17 MS	IAC-6-BFT02	Total/NA	Tissue	3546	
410-44718-17 MSD	IAC-6-BFT02	Total/NA	Tissue	3546	

Cleanup Batch: 148915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
410-44718-1	MRBKGD-DN-BFT01	Total/NA	Tissue	3640A	14849
410-44718-2	MRBKGD-DN-CRA01	Total/NA	Tissue	3640A	14849
410-44718-3	IAI-6-BFT05	Total/NA	Tissue	3640A	14849
410-44718-4	IAI-6-CRA08	Total/NA	Tissue	3640A	14849
410-44718-5	IAC-7-PFT03	Total/NA	Tissue	3640A	14849
410-44718-6	IAC-7-BFT03	Total/NA	Tissue	3640A	14849
410-44718-8	MRBKGD-UP-PFT06	Total/NA	Tissue	3640A	14849
410-44718-9	MRBKGD-UP-BFT06	Total/NA	Tissue	3640A	14849
410-44718-10	MRBKGD-UP-CRA09	Total/NA	Tissue	3640A	14849
410-44718-11	IAI-7-BFT04	Total/NA	Tissue	3640A	14849
410-44718-12	IAI-7-CRA07	Total/NA	Tissue	3640A	14849
410-44718-13	IAI-1-CRA02	Total/NA	Tissue	3640A	14849
410-44718-14	IAC-5-CRA03	Total/NA	Tissue	3640A	14849
410-44718-15	IAI-8-CRA04	Total/NA	Tissue	3640A	14849
410-44718-16	IAC-6-BFT02 DUP	Total/NA	Tissue	3640A	14849
410-44718-17	IAC-6-BFT02	Total/NA	Tissue	3640A	14849
410-44718-18	IAC-6-CRA05	Total/NA	Tissue	3640A	14849
MB 410-148497/1-B	Method Blank	Total/NA	Tissue	3640A	14849
LCS 410-148497/2-B	Lab Control Sample	Total/NA	Tissue	3640A	14849
410-44718-17 MS	IAC-6-BFT02	Total/NA	Tissue	3640A	14849
410-44718-17 MSD	IAC-6-BFT02	Total/NA	Tissue	3640A	14849

Analysis Batch: 149554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-44718-1	MRBKGD-DN-BFT01	Total/NA	Tissue	8270E SIM	148915
410-44718-2	MRBKGD-DN-CRA01	Total/NA	Tissue	8270E SIM	148915
410-44718-3	IAI-6-BFT05	Total/NA	Tissue	8270E SIM	148915

Client: EHS Support, LLC Job ID: 410-44718-1

Project/Site: SBA Shipyard LA Fish Tissue

GC/MS Semi VOA (Continued)

Analysis Batch: 149554 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-44718-4	IAI-6-CRA08	Total/NA	Tissue	8270E SIM	148915
410-44718-5	IAC-7-PFT03	Total/NA	Tissue	8270E SIM	148915
410-44718-6	IAC-7-BFT03	Total/NA	Tissue	8270E SIM	148915
410-44718-8	MRBKGD-UP-PFT06	Total/NA	Tissue	8270E SIM	148915
410-44718-9	MRBKGD-UP-BFT06	Total/NA	Tissue	8270E SIM	148915
410-44718-10	MRBKGD-UP-CRA09	Total/NA	Tissue	8270E SIM	148915
410-44718-11	IAI-7-BFT04	Total/NA	Tissue	8270E SIM	148915
410-44718-12	IAI-7-CRA07	Total/NA	Tissue	8270E SIM	148915
410-44718-17	IAC-6-BFT02	Total/NA	Tissue	8270E SIM	148915
MB 410-148497/1-B	Method Blank	Total/NA	Tissue	8270E SIM	148915
LCS 410-148497/2-B	Lab Control Sample	Total/NA	Tissue	8270E SIM	148915
410-44718-17 MS	IAC-6-BFT02	Total/NA	Tissue	8270E SIM	148915
410-44718-17 MSD	IAC-6-BFT02	Total/NA	Tissue	8270E SIM	148915

Analysis Batch: 149878

Lab Sample ID 410-44718-13	Client Sample ID IAI-1-CRA02	Prep Type Total/NA	Matrix Tissue	Method 8270E SIM	Prep Batch 148915
410-44718-14	IAC-5-CRA03	Total/NA	Tissue	8270E SIM	148915
410-44718-15	IAI-8-CRA04	Total/NA	Tissue	8270E SIM	148915
410-44718-16	IAC-6-BFT02 DUP	Total/NA	Tissue	8270E SIM	148915
410-44718-18	IAC-6-CRA05	Total/NA	Tissue	8270E SIM	148915

General Chemistry

Analysis Batch: 146076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
410-44718-1	MRBKGD-DN-BFT01	Total/NA	Tissue	Homogenize	
				Tiss	
410-44718-2	MRBKGD-DN-CRA01	Total/NA	Tissue	Homogenize	
				Tiss	
410-44718-3	IAI-6-BFT05	Total/NA	Tissue	Homogenize	
				Tiss	
410-44718-4	IAI-6-CRA08	Total/NA	Tissue	Homogenize	
				Tiss	
410-44718-5	IAC-7-PFT03	Total/NA	Tissue	Homogenize	
				Tiss	
410-44718-6	IAC-7-BFT03	Total/NA	Tissue	Homogenize	
				Tiss	
410-44718-7	IAC-7-CRA06	Total/NA	Tissue	Homogenize	
				Tiss	
410-44718-8	MRBKGD-UP-PFT06	Total/NA	Tissue	Homogenize	
				Tiss	
410-44718-9	MRBKGD-UP-BFT06	Total/NA	Tissue	Homogenize	
				Tiss	
410-44718-10	MRBKGD-UP-CRA09	Total/NA	Tissue	Homogenize	
				Tiss	
410-44718-11	IAI-7-BFT04	Total/NA	Tissue	Homogenize	
				Tiss	
410-44718-12	IAI-7-CRA07	Total/NA	Tissue	Homogenize	
				Tiss	
410-44718-13	IAI-1-CRA02	Total/NA	Tissue	Homogenize	
				Tiss	
410-44718-14	IAC-5-CRA03	Total/NA	Tissue	Homogenize	
				Tiss	

Client: EHS Support, LLC Project/Site: SBA Shipyard LA Fish Tissue

General Chemistry (Continued)

Analysis Batch: 146076 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-44718-15	IAI-8-CRA04	Total/NA	Tissue	Homogenize	
				Tiss	
410-44718-16	IAC-6-BFT02 DUP	Total/NA	Tissue	Homogenize	
				Tiss	
410-44718-17	IAC-6-BFT02	Total/NA	Tissue	Homogenize	
				Tiss	
410-44718-18	IAC-6-CRA05	Total/NA	Tissue	Homogenize	
				Tiss	
410-44718-17 MS	IAC-6-BFT02	Total/NA	Tissue	Homogenize	
				Tiss	
410-44718-17 MSD	IAC-6-BFT02	Total/NA	Tissue	Homogenize	
				Tiss	

Analysis Batch: 146387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-44718-1	MRBKGD-DN-BFT01	Total/NA	Tissue	Moisture	
410-44718-2	MRBKGD-DN-CRA01	Total/NA	Tissue	Moisture	
410-44718-3	IAI-6-BFT05	Total/NA	Tissue	Moisture	
410-44718-4	IAI-6-CRA08	Total/NA	Tissue	Moisture	
410-44718-5	IAC-7-PFT03	Total/NA	Tissue	Moisture	
410-44718-6	IAC-7-BFT03	Total/NA	Tissue	Moisture	
410-44718-8	MRBKGD-UP-PFT06	Total/NA	Tissue	Moisture	
410-44718-9	MRBKGD-UP-BFT06	Total/NA	Tissue	Moisture	
410-44718-10	MRBKGD-UP-CRA09	Total/NA	Tissue	Moisture	
410-44718-11	IAI-7-BFT04	Total/NA	Tissue	Moisture	
410-44718-12	IAI-7-CRA07	Total/NA	Tissue	Moisture	
410-44718-13	IAI-1-CRA02	Total/NA	Tissue	Moisture	
410-44718-14	IAC-5-CRA03	Total/NA	Tissue	Moisture	
410-44718-15	IAI-8-CRA04	Total/NA	Tissue	Moisture	
410-44718-16	IAC-6-BFT02 DUP	Total/NA	Tissue	Moisture	
410-44718-17	IAC-6-BFT02	Total/NA	Tissue	Moisture	
410-44718-18	IAC-6-CRA05	Total/NA	Tissue	Moisture	

Analysis Batch: 146986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-44718-1	MRBKGD-DN-BFT01	Total/NA	Tissue	Lipids	_
410-44718-2	MRBKGD-DN-CRA01	Total/NA	Tissue	Lipids	
410-44718-3	IAI-6-BFT05	Total/NA	Tissue	Lipids	
410-44718-4	IAI-6-CRA08	Total/NA	Tissue	Lipids	
410-44718-5	IAC-7-PFT03	Total/NA	Tissue	Lipids	
410-44718-6	IAC-7-BFT03	Total/NA	Tissue	Lipids	
410-44718-8	MRBKGD-UP-PFT06	Total/NA	Tissue	Lipids	
410-44718-9	MRBKGD-UP-BFT06	Total/NA	Tissue	Lipids	
410-44718-10	MRBKGD-UP-CRA09	Total/NA	Tissue	Lipids	
410-44718-11	IAI-7-BFT04	Total/NA	Tissue	Lipids	
410-44718-12	IAI-7-CRA07	Total/NA	Tissue	Lipids	
410-44718-13	IAI-1-CRA02	Total/NA	Tissue	Lipids	
410-44718-14	IAC-5-CRA03	Total/NA	Tissue	Lipids	
410-44718-15	IAI-8-CRA04	Total/NA	Tissue	Lipids	
410-44718-16	IAC-6-BFT02 DUP	Total/NA	Tissue	Lipids	
410-44718-17	IAC-6-BFT02	Total/NA	Tissue	Lipids	
410-44718-18	IAC-6-CRA05	Total/NA	Tissue	Lipids	
MB 410-146986/1	Method Blank	Total/NA	Tissue	Lipids	

QC Association Summary

Client: EHS Support, LLC Job ID: 410-44718-1

Project/Site: SBA Shipyard LA Fish Tissue

General Chemistry (Continued)

Analysis Batch: 146986 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 410-146986/2	Lab Control Sample	Total/NA	Tissue	Lipids	
LCSD 410-146986/3	Lab Control Sample Dup	Total/NA	Tissue	Lipids	
410-44718-17 DU	IAC-6-BFT02	Total/NA	Tissue	Lipids	

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Client: EHS Support, LLC

Project/Site: SBA Shipyard LA Fish Tissue

Client Sample ID: MRBKGD-DN-BFT01

Date Collected: 06/18/21 12:30 Date Received: 06/23/21 10:57

Lab Sample	ID: 410-44718-1
	Matrix: Tissue

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546	_		148497	07/14/21 17:30	QQ3P	ELLE
Total/NA	Cleanup	3640A			148915	07/15/21 11:44	QTH7	ELLE
Total/NA	Analysis	8270E SIM		10	149554	07/17/21 02:20	UJM0	ELLE
Total/NA	Analysis	Homogenize Tiss		1	146076	07/07/21 21:10	K2IL	ELLE
Total/NA	Analysis	Lipids		1	146986	07/09/21 21:00	K2IL	ELLE
Total/NA	Analysis	Moisture		1	146387	07/08/21 13:31	UGCW	ELLE

Client Sample ID: MRBKGD-DN-CRA01

Date Collected: 06/20/21 17:30 Date Received: 06/23/21 10:57

Lab Sample ID: 410-44718-2

Matrix: Tissue

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			148497	07/14/21 17:30	QQ3P	ELLE
Total/NA	Cleanup	3640A			148915	07/15/21 11:44	QTH7	ELLE
Total/NA	Analysis	8270E SIM		10	149554	07/17/21 02:51	UJM0	ELLE
Total/NA	Analysis	Homogenize Tiss		1	146076	07/07/21 21:10	K2IL	ELLE
Total/NA	Analysis	Lipids		1	146986	07/09/21 21:00	K2IL	ELLE
Total/NA	Analysis	Moisture		1	146387	07/08/21 13:31	UGCW	ELLE

Client Sample ID: IAI-6-BFT05

Date Collected: 06/18/21 09:15

Lab Sample ID: 410-44718-3 **Matrix: Tissue**

Date Received: 06/23/21 10:57

Batch		Batch	3atch		Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			148497	07/14/21 17:30	QQ3P	ELLE
Total/NA	Cleanup	3640A			148915	07/15/21 11:44	QTH7	ELLE
Total/NA	Analysis	8270E SIM		10	149554	07/17/21 03:22	UJM0	ELLE
Total/NA	Analysis	Homogenize Tiss		1	146076	07/07/21 21:10	K2IL	ELLE
Total/NA	Analysis	Lipids		1	146986	07/09/21 21:00	K2IL	ELLE
Total/NA	Analysis	Moisture		1	146387	07/08/21 13:31	UGCW	ELLE

Client Sample ID: IAI-6-CRA08

Date Collected: 06/20/21 18:00

Date Received: 06/23/21 10:57

•	000		
	Lab	Sample ID: 410-44718-4	
		Matrix: Tissue	

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			148497	07/14/21 17:30	QQ3P	ELLE
Total/NA	Cleanup	3640A			148915	07/15/21 11:44	QTH7	ELLE
Total/NA	Analysis	8270E SIM		10	149554	07/17/21 03:53	UJM0	ELLE
Total/NA	Analysis	Homogenize Tiss		1	146076	07/07/21 21:10	K2IL	ELLE
Total/NA	Analysis	Lipids		1	146986	07/09/21 21:00	K2IL	ELLE
Total/NA	Analysis	Moisture		1	146387	07/08/21 13:31	UGCW	ELLE

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Client: EHS Support, LLC

Project/Site: SBA Shipyard LA Fish Tissue

Client Sample ID: IAC-7-PFT03

Date Collected: 06/19/21 10:30

Date Received: 06/23/21 10:57

Lab Sample ID: 410-44718-5

Matrix: Tissue

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			148497	07/14/21 17:30	QQ3P	ELLE
Total/NA	Cleanup	3640A			148915	07/15/21 11:44	QTH7	ELLE
Total/NA	Analysis	8270E SIM		10	149554	07/17/21 04:24	UJM0	ELLE
Total/NA	Analysis	Homogenize Tiss		1	146076	07/07/21 21:10	K2IL	ELLE
Total/NA	Analysis	Lipids		1	146986	07/09/21 21:00	K2IL	ELLE
Total/NA	Analysis	Moisture		1	146387	07/08/21 13:31	UGCW	ELLE

Client Sample ID: IAC-7-BFT03

Date Collected: 06/19/21 10:00

Date Received: 06/23/21 10:57

Lab Sample ID: 410-44718-6

Matrix: Tissue

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			148497	07/14/21 17:30	QQ3P	ELLE
Total/NA	Cleanup	3640A			148915	07/15/21 11:44	QTH7	ELLE
Total/NA	Analysis	8270E SIM		10	149554	07/17/21 04:55	UJM0	ELLE
Total/NA	Analysis	Homogenize Tiss		1	146076	07/07/21 21:10	K2IL	ELLE
Total/NA	Analysis	Lipids		1	146986	07/09/21 21:00	K2IL	ELLE
Total/NA	Analysis	Moisture		1	146387	07/08/21 13:31	UGCW	ELLE

Client Sample ID: IAC-7-CRA06

Date Collected: 05/18/21 11:45

Date Received: 06/23/21 10:57

Lab Sample ID: 410-44718-7

Lab Sample ID: 410-44718-8

Matrix: Tissue

Matrix: Tissue

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Homogenize Tiss		1	146076	07/07/21 21:10	K2IL	ELLE

Client Sample ID: MRBKGD-UP-PFT06

Date Collected: 06/18/21 12:00

Date Received: 06/23/21 10:57

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546	_		148497	07/14/21 17:30	QQ3P	ELLE
Total/NA	Cleanup	3640A			148915	07/15/21 11:44	QTH7	ELLE
Total/NA	Analysis	8270E SIM		10	149554	07/17/21 05:25	UJM0	ELLE
Total/NA	Analysis	Homogenize Tiss		1	146076	07/07/21 21:10	K2IL	ELLE
Total/NA	Analysis	Lipids		1	146986	07/09/21 21:00	K2IL	ELLE
Total/NA	Analysis	Moisture		1	146387	07/08/21 13:31	UGCW	ELLE

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Client: EHS Support, LLC Project/Site: SBA Shipyard LA Fish Tissue

Client Sample ID: MRBKGD-UP-BFT06

Date Collected: 06/20/21 11:30 Date Received: 06/23/21 10:57 Lab Sample ID: 410-44718-9

Matrix: Tissue

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			148497	07/14/21 17:30	QQ3P	ELLE
Total/NA	Cleanup	3640A			148915	07/15/21 11:44	QTH7	ELLE
Total/NA	Analysis	8270E SIM		10	149554	07/17/21 05:56	UJM0	ELLE
Total/NA	Analysis	Homogenize Tiss		1	146076	07/07/21 21:10	K2IL	ELLE
Total/NA	Analysis	Lipids		1	146986	07/09/21 21:00	K2IL	ELLE
Total/NA	Analysis	Moisture		1	146387	07/08/21 13:31	UGCW	ELLE

Client Sample ID: MRBKGD-UP-CRA09

Date Collected: 06/20/21 17:00 Date Received: 06/23/21 10:57

Lab Sample ID: 410-44718-10

Matrix: Tissue

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			148497	07/14/21 17:30	QQ3P	ELLE
Total/NA	Cleanup	3640A			148915	07/15/21 11:44	QTH7	ELLE
Total/NA	Analysis	8270E SIM		10	149554	07/17/21 06:27	UJM0	ELLE
Total/NA	Analysis	Homogenize Tiss		1	146076	07/07/21 21:10	K2IL	ELLE
Total/NA	Analysis	Lipids		1	146986	07/09/21 21:00	K2IL	ELLE
Total/NA	Analysis	Moisture		1	146387	07/08/21 13:31	UGCW	ELLE

Client Sample ID: IAI-7-BFT04

Date Collected: 06/18/21 09:30

Date Received: 06/23/21 10:57

Lab Sample ID: 410-44718-11

Matrix: Tissue

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			148497	07/14/21 17:30	QQ3P	ELLE
Total/NA	Cleanup	3640A			148915	07/15/21 11:44	QTH7	ELLE
Total/NA	Analysis	8270E SIM		10	149554	07/17/21 06:58	UJM0	ELLE
Total/NA	Analysis	Homogenize Tiss		1	146076	07/07/21 21:10	K2IL	ELLE
Total/NA	Analysis	Lipids		1	146986	07/09/21 21:00	K2IL	ELLE
Total/NA	Analysis	Moisture		1	146387	07/08/21 13:31	UGCW	ELLE

Date Received: 06/23/21 10:57

Lab Sample ID: 410-44718-12 Client Sample ID: IAI-7-CRA07 Date Collected: 06/22/21 13:14 **Matrix: Tissue**

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			148497	07/14/21 17:30	QQ3P	ELLE
Total/NA	Cleanup	3640A			148915	07/15/21 11:44	QTH7	ELLE
Total/NA	Analysis	8270E SIM		10	149554	07/17/21 07:29	UJM0	ELLE
Total/NA	Analysis	Homogenize Tiss		1	146076	07/07/21 21:10	K2IL	ELLE
Total/NA	Analysis	Lipids		1	146986	07/09/21 21:00	K2IL	ELLE
Total/NA	Analysis	Moisture		1	146387	07/08/21 13:31	UGCW	ELLE

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Client: EHS Support, LLC

Project/Site: SBA Shipyard LA Fish Tissue

Client Sample ID: IAI-1-CRA02

Date Collected: 06/22/21 13:00 Date Received: 06/23/21 10:57 Lab Sample ID: 410-44718-13

Matrix: Tissue

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			148497	07/14/21 17:30	QQ3P	ELLE
Total/NA	Cleanup	3640A			148915	07/15/21 11:44	QTH7	ELLE
Total/NA	Analysis	8270E SIM		10	149878	07/19/21 09:36	X3ZL	ELLE
Total/NA	Analysis	Homogenize Tiss		1	146076	07/07/21 21:10	K2IL	ELLE
Total/NA	Analysis	Lipids		1	146986	07/09/21 21:00	K2IL	ELLE
Total/NA	Analysis	Moisture		1	146387	07/08/21 13:31	UGCW	ELLE

Client Sample ID: IAC-5-CRA03

Date Collected: 06/21/21 16:30

Date Received: 06/23/21 10:57

Lab Sample ID: 410-44718-14

Matrix: Tissue

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			148497	07/14/21 17:30	QQ3P	ELLE
Total/NA	Cleanup	3640A			148915	07/15/21 11:44	QTH7	ELLE
Total/NA	Analysis	8270E SIM		10	149878	07/19/21 10:06	X3ZL	ELLE
Total/NA	Analysis	Homogenize Tiss		1	146076	07/07/21 21:10	K2IL	ELLE
Total/NA	Analysis	Lipids		1	146986	07/09/21 21:00	K2IL	ELLE
Total/NA	Analysis	Moisture		1	146387	07/08/21 13:31	UGCW	ELLE

Client Sample ID: IAI-8-CRA04

Date Collected: 05/19/21 10:15

Date Received: 06/23/21 10:57

Lab Sample ID: 410-44718-15

Matrix: Tissue

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			148497	07/14/21 17:30	QQ3P	ELLE
Total/NA	Cleanup	3640A			148915	07/15/21 11:44	QTH7	ELLE
Total/NA	Analysis	8270E SIM		10	149878	07/19/21 10:36	X3ZL	ELLE
Total/NA	Analysis	Homogenize Tiss		1	146076	07/07/21 21:10	K2IL	ELLE
Total/NA	Analysis	Lipids		1	146986	07/09/21 21:00	K2IL	ELLE
Total/NA	Analysis	Moisture		1	146387	07/08/21 13:31	UGCW	ELLE

Client Sample ID: IAC-6-BFT02 DUP

Date Collected: 06/20/21 11:00

Date Received: 06/23/21 10:57

Lab Sample ID: 410-44718-1	16
Matriv: Tiesi	

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546	_		148497	07/14/21 17:30	QQ3P	ELLE
Total/NA	Cleanup	3640A			148915	07/15/21 11:44	QTH7	ELLE
Total/NA	Analysis	8270E SIM		10	149878	07/19/21 11:06	X3ZL	ELLE
Total/NA	Analysis	Homogenize Tiss		1	146076	07/07/21 21:10	K2IL	ELLE
Total/NA	Analysis	Lipids		1	146986	07/09/21 21:00	K2IL	ELLE
Total/NA	Analysis	Moisture		1	146387	07/08/21 13:31	UGCW	ELLE

Lab Chronicle

Client: EHS Support, LLC Job ID: 410-44718-1

Project/Site: SBA Shipyard LA Fish Tissue

Client Sample ID: IAC-6-BFT02

Date Received: 06/23/21 10:57

Lab Sample ID: 410-44718-17 Date Collected: 06/20/21 11:00 **Matrix: Tissue**

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			148497	07/14/21 17:30	QQ3P	ELLE
Total/NA	Cleanup	3640A			148915	07/15/21 11:44	QTH7	ELLE
Total/NA	Analysis	8270E SIM		10	149554	07/17/21 00:47	UJM0	ELLE
Total/NA	Analysis	Homogenize Tiss		1	146076	07/07/21 21:10	K2IL	ELLE
Total/NA	Analysis	Lipids		1	146986	07/09/21 21:00	K2IL	ELLE
Total/NA	Analysis	Moisture		1	146387	07/08/21 13:31	UGCW	ELLE

Client Sample ID: IAC-6-CRA05

Lab Sample ID: 410-44718-18 Date Collected: 06/22/21 13:05

Matrix: Tissue

Date Received: 06/23/21 10:57

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			148497	07/14/21 17:30	QQ3P	ELLE
Total/NA	Cleanup	3640A			148915	07/15/21 11:44	QTH7	ELLE
Total/NA	Analysis	8270E SIM		10	149878	07/19/21 11:36	X3ZL	ELLE
Total/NA	Analysis	Homogenize Tiss		1	146076	07/07/21 21:10	K2IL	ELLE
Total/NA	Analysis	Lipids		1	146986	07/09/21 21:00	K2IL	ELLE
Total/NA	Analysis	Moisture		1	146387	07/08/21 13:31	UGCW	ELLE

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Frontier = Eurofins Frontier Global Sciences LLC, 5755 8th Street E, Tacoma, WA 98424

Accreditation/Certification Summary

Client: EHS Support, LLC Job ID: 410-44718-1

Project/Site: SBA Shipyard LA Fish Tissue

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

thority		Program	Identification Number	Expiration Date
uisiana		NELAP	02055	06-30-22
• •		report, but the laboratory is r	not certified by the governing authority.	This list may include analytes for which
the agency does not of Analysis Method	Prep Method	Matrix	Analyte	
8270E SIM	3546	Tissue	Acenaphthene	
8270E SIM	3546	Tissue	Acenaphthylene	
8270E SIM	3546	Tissue	Anthracene	
8270E SIM	3546	Tissue	Benzo[a]anthracene	
8270E SIM	3546	Tissue	Benzo[a]pyrene	
8270E SIM	3546	Tissue	Benzo[b]fluoranthene	
8270E SIM	3546	Tissue	Benzo[g,h,i]perylene	
8270E SIM	3546	Tissue	Benzo[k]fluoranthene	
8270E SIM	3546	Tissue	Chrysene	
8270E SIM	3546	Tissue	Dibenz(a,h)anthracene	
8270E SIM	3546	Tissue	Fluoranthene	
8270E SIM	3546	Tissue	Fluorene	
8270E SIM	3546	Tissue	Indeno[1,2,3-cd]pyrene	
8270E SIM	3546	Tissue	Naphthalene	
8270E SIM	3546	Tissue	Phenanthrene	
8270E SIM	3546	Tissue	Pyrene	
Homogenize Tiss		Tissue	Sample Homogenized	
Lipids		Tissue	Percent Lipids	
Moisture		Tissue	Percent Moisture	
Moisture		Tissue	Percent Solids	

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Method Summary

Client: EHS Support, LLC

Project/Site: SBA Shipyard LA Fish Tissue

Method **Method Description** Protocol Laboratory 8270E SIM Semivolatile Organic Compounds (GC/MS SIM) SW846 ELLE Homogenize Tiss Homogenization None **ELLE** Percent Lipids Lab SOP **ELLE** Lipids ELLE Moisture Percent Moisture EPA Subcontract Low Level Hg EPA 1631 None Frontier Frontier Subcontract Methyl Mercury EPA 1630 None 3546 Microwave Extraction SW846 ELLE 3640A SW846 **ELLE** Gel-Permeation Cleanup

Protocol References:

EPA = US Environmental Protection Agency

Lab SOP = Laboratory Standard Operating Procedure

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Frontier = Eurofins Frontier Global Sciences LLC, 5755 8th Street E, Tacoma, WA 98424

Job ID: 410-44718-1

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Sample Summary

Client: EHS Support, LLC Job ID: 410-44718-1

Project/Site: SBA Shipyard LA Fish Tissue

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-44718-1	MRBKGD-DN-BFT01	Tissue	06/18/21 12:30	06/23/21 10:57
410-44718-2	MRBKGD-DN-CRA01	Tissue	06/20/21 17:30	06/23/21 10:57
410-44718-3	IAI-6-BFT05	Tissue	06/18/21 09:15	06/23/21 10:57
410-44718-4	IAI-6-CRA08	Tissue	06/20/21 18:00	06/23/21 10:57
410-44718-5	IAC-7-PFT03	Tissue	06/19/21 10:30	06/23/21 10:57
410-44718-6	IAC-7-BFT03	Tissue	06/19/21 10:00	06/23/21 10:57
410-44718-7	IAC-7-CRA06	Tissue	05/18/21 11:45	06/23/21 10:57
410-44718-8	MRBKGD-UP-PFT06	Tissue	06/18/21 12:00	06/23/21 10:57
410-44718-9	MRBKGD-UP-BFT06	Tissue	06/20/21 11:30	06/23/21 10:57
410-44718-10	MRBKGD-UP-CRA09	Tissue	06/20/21 17:00	06/23/21 10:57
410-44718-11	IAI-7-BFT04	Tissue	06/18/21 09:30	06/23/21 10:57
410-44718-12	IAI-7-CRA07	Tissue	06/22/21 13:14	06/23/21 10:57
410-44718-13	IAI-1-CRA02	Tissue	06/22/21 13:00	06/23/21 10:57
410-44718-14	IAC-5-CRA03	Tissue	06/21/21 16:30	06/23/21 10:57
410-44718-15	IAI-8-CRA04	Tissue	05/19/21 10:15	06/23/21 10:57
410-44718-16	IAC-6-BFT02 DUP	Tissue	06/20/21 11:00	06/23/21 10:57
410-44718-17	IAC-6-BFT02	Tissue	06/20/21 11:00	06/23/21 10:57
410-44718-18	IAC-6-CRA05	Tissue	06/22/21 13:05	06/23/21 10:57



5755 8th Street East

Tacoma, WA 98424

Phone: (253) 922-2310

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20 August 2021

Hannah Cottman
Eurofins Lancaster Environmental, LLC
2425 New Holland Pike
Lancaster, PA 17601

RE: Low Level Mercury

Enclosed are the analytical results for samples received by Eurofins Frontier Global Sciences. All quality control measurements are within established control limits and there were no analytical difficulties encountered with the exception of those listed in the case narrative section of this report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Patrick Garcia-Strickland Business Unit Manager

Patrik Stulled

5755 8th Street East **Tacoma, WA 98424**

Phone: (253) 922-2310

Frontier Global Sciences

Eurofins Lancaster Environmental, LLC Project: Low Level Mercury 2425 New Holland Pike Project Number: 410-44718-1 Reported: Lancaster PA, 17601 Project Manager: Hannah Cottman 20-Aug-21 09:41

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MRBKGD-DN-BFT01 (410-44718-1)	1G00038-01	Tissue	18-Jun-21 12:30	09-Jul-21 09:40
MRBKGD-DN-CRA01 (410-44718-2)	1G00038-02	Tissue	20-Jun-21 17:30	09-Jul-21 09:40
IAI-6-BFT05 (410-44718-3)	1G00038-03	Tissue	18-Jun-21 09:15	09-Jul-21 09:40
IAI-6-CRA08 (410-44718-4)	1G00038-04	Tissue	20-Jun-21 18:00	09-Jul-21 09:40
IAC-7-PFT03 (410-44718-5)	1G00038-05	Tissue	19-Jun-21 10:30	09-Jul-21 09:40
IAC-7-BFT03 (410-44718-6)	1G00038-06	Tissue	19-Jun-21 10:00	09-Jul-21 09:40
MRBKGD-UP-PFT06 (410-44718-8)	1G00038-07	Tissue	18-Jun-21 12:00	09-Jul-21 09:40
MRBKGD-UP-BFT06 (410-44718-9)	1G00038-08	Tissue	18-Jun-21 11:30	09-Jul-21 09:40
MRBKGD-UP-CRA09 (410-44718-10)	1G00038-09	Tissue	20-Jun-21 17:00	09-Jul-21 09:40
IAI-7-BFT04 (410-44718-11)	1G00038-10	Tissue	18-Jun-21 09:30	09-Jul-21 09:40
IAI-1-CRA02 (410-44718-13)	1G00038-11	Tissue	22-Jun-21 13:00	09-Jul-21 09:40
IAC-5-CRA03 (410-44718-14)	1G00038-12	Tissue	21-Jun-21 16:30	09-Jul-21 09:40
IAI-8-CRA04 (410-44718-15)	1G00038-13	Tissue	19-May-21 10:15	09-Jul-21 09:40
IAC-6-BFT02 DUP (410-44718-16)	1G00038-14	Tissue	20-Jun-21 11:00	09-Jul-21 09:40
IAC-6-BFT02 (410-44718-17)	1G00038-15	Tissue	20-Jun-21 11:00	09-Jul-21 09:40
IAC-6-CRA05 (410-44718-18)	1G00038-16	Tissue	22-Jun-21 13:05	09-Jul-21 09:40
IAI-7-CRA07 (410-44718-12)	1G00038-17	Tissue	22-Jun-21 13:14	09-Jul-21 09:40

Eurofins Frontier Global Sciences, LLC

eurofins

 ${\it The results in this report only apply to the samples analyzed in accordance with the}$ chain of custody document. This analytical report must be reproduced in its entirety.



5755 8th Street East Tacoma, WA 98424

Phone: (253) 922-2310

Eurofins Lancaster Environmental, LLC Project: Low Level Mercury

2425 New Holland Pike Project Number: 410-44718-1 Reported: Lancaster PA, 17601 Project Manager: Hannah Cottman 20-Aug-21 09:41

SAMPLE RECEIPT

Samples were received at Eurofins Frontier Global Sciences (EFGS) on 09-Jul-21 09:40. The samples were received intact, on-ice within a sealed cooler at

Cooler Temp C° Default Cooler -49.6

SAMPLE PREPARATION AND ANALYSIS

Tissue samples were homogenized per EFGS SOP5141 prior to digestion.

Total mercury preparation and analysis was performed by flow injection atomic fluorescence spectrometry (FI-AFS) in accordance with EPA 1631B (EFGS SOP2822).

Samples were prepared and analyzed for methyl mercury by cold vapor gas chromatography atomic fluorescence spectrometry (CV-GC-AFS) in accordance with EPA 1630 (EFGS SOP2808).

ANALYTICAL AND QUALITY CONTROL ISSUES

Method blanks were prepared for every preparation to assess possible blank contribution from the sample preparation procedure. The method blanks were carried through the entire analytical procedure. All blanks fell within the established acceptance criteria with the exception of any items narrated above or flagged and described in the notes and definitions section of the report.

Liquid spikes, certified reference material (CRM) or a quality control samples (QCS) were prepared for every preparation as a measure of accuracy. All liquid spikes, CRMs and/or QCS samples fell within the established acceptance criteria with the exception of any items narrated above or flagged and described in the notes and definitions section of the report.

As an additional measure of the accuracy of the methods used and to check for matrix interference, matrix spikes (MS) and matrix spike duplicates (MSD) were digested and analyzed. All of the matrix spike recoveries fell within the established acceptance criteria with the exception of any items flagged and described in the notes and definitions section of the report.

A reasonable measure of the precision of the analytical methods is the relative percent difference (RPD) between a matrix spike recovery

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Patrick Garcia-Strickland, Business Unit Manager



5755 8th Street East Tacoma, WA 98424 Phone: (253) 922-2310

Eurofins Lancaster Environmental, LLC Project: Low Level Mercury

2425 New Holland Pike Project Number: 410-44718-1 Reported:
Lancaster PA, 17601 Project Manager: Hannah Cottman 20-Aug-21 09:41

and a matrix spike duplicate recovery and between laboratory control sample recovery and laboratory control sample duplicate recoveries. All of the relative percent differences established acceptance criteria with the exception of any items flagged and described in the notes and definitions section of the report.

Eurofins Frontier Global Sciences, LLC

The results in this report only apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Sample Receipt Checklist

Client: Lancaster			Date & Time	Received: <u></u>	740	7/9/21 1	Date Labeled	7/5/2 lal	beled By:
Matrix: Tissue		Reg							
		rrived By: X							
Coolant: None/Ambient Loc	se Ice	Gel Ice Dry	ice Coolant R	equired: (Ŷ/N		Temn Blank II	lead, V/files		
Notify Project Manager if packages/coo	lers are re	ceived without coo	lant or with thawe	d coolant and a	it a temi	perature in ex	react of C°C	Des	
Samples from Wisconsin have special re	quiremen	its. Shipment receiv	ed includes sample	s from Wiscons	sin: Y/N		ress or 6.C.	PM notified	I: Y/N
coler Information:	Y/N/NA	Comm	ients	TID: [81]397	80 CF:	+0 4°C Da	te/time: 0140	714/4	
he coolers do not appear to be tampered with:	4			Cooler 1: -50.		w/ CF:-496 °C	Cooler 4:		By: AA
ustody Seals are present and intact:	N			Cooler 2:		v/CF: °C	Cooler 5:		CF: °C
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Eurofins Lancaster Laboratories Env, LLC

2425 New Holland Pike Lancaster, PA 17601

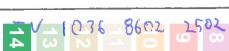
Chain of Custody Record



💸 eurofins

Environment Testing America.

hone: 717-656-2300 Fax: 717-656-2681	Sampler:			Lab PM	1:							Салі	er Trac	king N	o(s):			COC No:	
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Eurofins Lancaster Laboratories Env, LLC

2425 New Holland Pike

Lancaster, PA 17601 Phone: 717-656-2300 Fax: 717-656-2681

Chain of Custody Record

💸 eurofins

Environment Testing America

(0.1.0.1.1)	Sampler:			Lab PM Cady		n M					Car	rler Tracki	ng No(s):			COC No: 410-801266.2	
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Shipping/Receiving						y@Eurol					Lo	uisiana				Page 2 of 3	· · ·
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Tacoma						F AT										D - Nitric Acid	P - Na2O4S
State, Zip: WA, 98424						F F										E - NaHSO4 F - MeOH	Q - Na2SO3 R - Na2S2O3
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Eurofins Lancaster Laboratories Env, LLC

Chain of Custody Record

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Environment Testing America.

2425 New Holland Pike La

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2425 New Holland Pike

Lancaster PA, 17601

Eurofins Lancaster Environmental, LLC

Frontier Global Sciences

5755 8th Street East **Tacoma, WA 98424** Phone: (253) 922-2310

Project: Low Level Mercury

Project Number: 410-44718-1 Reported: 20-Aug-21 09:41

Project Manager: Hannah Cottman

MRBKGD-DN-BFT01 (410-44718-1) 1G00038-01

Analyte	Result	Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS SOP2795 Ni	tric/Sulf	uric Hg I	Digestion								
Mercury	258	2.12	18.9	ng/g	500	F108391	04-Aug-21	1H10013	09-Aug-21	EPA 1631B	QB-01
Sample Preparation: EFGS SOP2986 KG	OH/Metl	hanol Dig	estion for	Methyl	Hg						
Methyl Mercury (as Mercury)	123	2.4	9.6	ng/g	2500	F107353	21-Jul-21	1G23003	22-Jul-21	EPA 1630 Mod	
Sample Preparation: EFGS SOP5133 So	lids Ana	lysis									
% Solids	20.0	-	0.1	% by Weight	1	F107349	14-Jul-21		14-Jul-21	SM 2540B	

Eurofins Frontier Global Sciences, LLC

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Patrick Garcia-Strickland, Business Unit Manager

Page 9 of 30



5755 8th Street East **Tacoma, WA 98424**

Phone: (253) 922-2310

Eurofins Lancaster Environmental, LLC Project: Low Level Mercury 2425 New Holland Pike Project Number: 410-44718-1 Reported: Lancaster PA, 17601 Project Manager: Hannah Cottman 20-Aug-21 09:41

MRBKGD-DN-CRA01 (410-44718-2)

1G00038-02

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS SOP2	795 Nitric/Sulf	uric Hg l	Digestion								
Mercury	58.2	2.20	19.6	ng/g	500	F108391	04-Aug-21	1H10013	09-Aug-21	EPA 1631B	QB-01
Sample Preparation: EFGS SOP2	986 KOH/Metl	hanol Dig	gestion for	Methyl	Hg						
Methyl Mercury (as Mercury)	48.3	2.3	9.3	ng/g	2500	F107353	21-Jul-21	1G23003	22-Jul-21	EPA 1630 Mod	
Sample Preparation: EFGS SOP5	133 Solids Ana	lysis									
% Solids	20.7	-	0.1	% by Weight	1	F107349	14-Jul-21		14-Jul-21	SM 2540B	

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Patrick Garcia-Strickland, Business Unit Manager

Page 10 of 30 20/2021 (Rev.



5755 8th Street East **Tacoma, WA 98424**

Phone: (253) 922-2310

Eurofins Lancaster Environmental, LLC Project: Low Level Mercury 2425 New Holland Pike Project Number: 410-44718-1 Reported: Lancaster PA, 17601 Project Manager: Hannah Cottman 20-Aug-21 09:41

IAI-6-BFT05 (410-44718-3)

1G00038-03

Analyte	Result	Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS SOP	2795 Nitric/Sulf 	0.423	3.78	ng/g	100	F108391	04-Aug-21	1H10013	09-Aug-21	EPA 1631B	QB-01
Sample Preparation: EFGS SOP	2986 KOH/Metl	hanol Dig	gestion for	Methyl	Hg						
Methyl Mercury (as Mercury)	29.9	2.4	9.4	ng/g	2500	F107353	21-Jul-21	1G23003	22-Jul-21	EPA 1630 Mod	
Sample Preparation: EFGS SOP:	5133 Solids Ana	lysis									
% Solids	19.6	-	0.1	% by Weight	1	F107349	14-Jul-21		14-Jul-21	SM 2540B	

Eurofins Frontier Global Sciences, LLC

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Patrick Garcia-Strickland, Business Unit Manager

Page 11 of 30 20/2021 (Rev.



5755 8th Street East **Tacoma, WA 98424**

Phone: (253) 922-2310

Eurofins Lancaster Environmental, LLC Project: Low Level Mercury 2425 New Holland Pike Project Number: 410-44718-1 Reported: Lancaster PA, 17601 Project Manager: Hannah Cottman 20-Aug-21 09:41

IAI-6-CRA08 (410-44718-4)

1G00038-04

Analyte Sample Preparation: EFGS SOP2	Result	Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Mercury Mercury	41.5	2.06	18.4	ng/g	500	F108391	04-Aug-21	1H10013	09-Aug-21	EPA 1631B	QB-01
Sample Preparation: EFGS SOP2	986 KOH/Metl	nanol Dig	gestion for	Methyl	Hg						
Methyl Mercury (as Mercury)	36.5	2.3	9.3	ng/g	2500	F107353	21-Jul-21	1G23003	22-Jul-21	EPA 1630 Mod	
Sample Preparation: EFGS SOP5	133 Solids Ana	lysis									
% Solids	22.0	-	0.1	% by Weight	1	F107349	14-Jul-21		14-Jul-21	SM 2540B	

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5755 8th Street East **Tacoma, WA 98424**

Phone: (253) 922-2310

Eurofins Lancaster Environmental, LLC Project: Low Level Mercury 2425 New Holland Pike Project Number: 410-44718-1 Reported: Lancaster PA, 17601 Project Manager: Hannah Cottman 20-Aug-21 09:41

IAC-7-PFT03 (410-44718-5)

1G00038-05

Analyte FFICE COP	Result	Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS SOP Mercury	198	2.16	19.3	ng/g	500	F108391	04-Aug-21	1H10013	09-Aug-21	EPA 1631B	QB-01
Sample Preparation: EFGS SOP	2986 KOH/Met	hanol Dig	gestion for	Methyl	Hg						
Methyl Mercury (as Mercury)	57.1	2.3	9.0	ng/g	2500	F107353	21-Jul-21	1G23003	22-Jul-21	EPA 1630 Mod	
Sample Preparation: EFGS SOP	5133 Solids Ana	lysis									
% Solids	20.5	-	0.1	% by Weight	1	F107349	14-Jul-21		14-Jul-21	SM 2540B	

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i none. (2.

Eurofins Lancaster Environmental, LLCProject: Low Level Mercury2425 New Holland PikeProject Number: 410-44718-1Reported:Lancaster PA, 17601Project Manager: Hannah Cottman20-Aug-21 09:41

IAC-7-BFT03 (410-44718-6)

1G00038-06

Analyte	Result	Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS SOP	2795 Nitric/Sulf	uric Hg I	Digestion								
Mercury	141	2.15	19.2	ng/g	500	F108391	04-Aug-21	1H10013	09-Aug-21	EPA 1631B	QB-01
Sample Preparation: EFGS SOP	2986 KOH/Metl	hanol Dig	estion for	Methyl	Hg						
Methyl Mercury (as Mercury)	57.7	2.3	9.3	ng/g	2500	F107353	21-Jul-21	1G23003	22-Jul-21	EPA 1630 Mod	
Sample Preparation: EFGS SOP	5133 Solids Ana	lysis									
% Solids	19.7	-	0.1	% by Weight	1	F107349	14-Jul-21		14-Jul-21	SM 2540B	

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Phone: (253) 922-2310

Reported:

Eurofins Lancaster Environmental, LLC Project: Low Level Mercury 2425 New Holland Pike Project Number: 410-44718-1 Lancaster PA, 17601 Project Manager: Hannah Cottman 20-Aug-21 09:41

MRBKGD-UP-PFT06 (410-44718-8)

1G00038-07

Analyte	Result	Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS SOP2' Mercury	795 Nitric/Sulf 	2.19	19.6	ng/g	500	F108391	04-Aug-21	1H10013	09-Aug-21	EPA 1631B	QB-01
Sample Preparation: EFGS SOP2	986 KOH/Metl	hanol Dig	gestion for	Methyl	Hg						
Methyl Mercury (as Mercury)	191	2.4	9.5	ng/g	2500	F107353	21-Jul-21	1G23003	22-Jul-21	EPA 1630 Mod	
Sample Preparation: EFGS SOP5	133 Solids Ana	lysis									
% Solids	21.1	-	0.1	% by Weight	1	F107349	14-Jul-21		14-Jul-21	SM 2540B	

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Lancaster PA, 17601

Frontier Global Sciences

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Eurofins Lancaster Environmental, LLC Project: Low Level Mercury
2425 New Holland Pike Project Number: 410-44718-1

Reported: 20-Aug-21 09:41

Project Manager: Hannah Cottman MRBKGD-UP-BFT06 (410-44718-9)

1G00038-08

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS SOP27	95 Nitric/Sulf	uric Hg I	Digestion								
Mercury	161	2.02	18.0	ng/g	500	F108391	04-Aug-21	1H10013	09-Aug-21	EPA 1631B	QB-01
Sample Preparation: EFGS SOP29	86 KOH/Met	hanol Dig	gestion for	Methyl	Hg						_
Methyl Mercury (as Mercury)	67.0	2.4	9.7	ng/g	2500	F107353	21-Jul-21	1G23003	22-Jul-21	EPA 1630 Mod	
Sample Preparation: EFGS SOP51	33 Solids Ana	lysis									
% Solids	19.6	-	0.1	% by Weight	1	F107349	14-Jul-21		14-Jul-21	SM 2540B	

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Eurofins Lancaster Environmental, LLC Project: Low Level Mercury

2425 New Holland Pike Project Number: 410-44718-1 Reported:
Lancaster PA, 17601 Project Manager: Hannah Cottman 20-Aug-21 09:41

MRBKGD-UP-CRA09 (410-44718-10)

1G00038-09

Analyte	Result	Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS SOP27 Mercury	48.0	0.443	3.96	ng/g	100	F107399	04-Aug-21	1H11018	10-Aug-21	EPA 1631B	
Sample Preparation: EFGS SOP29	86 KOH/Met	nanol Dig	gestion for	Methyl	Hg						
Methyl Mercury (as Mercury)	30.9	2.3	9.3	ng/g	2500	F107353	21-Jul-21	1G23003	22-Jul-21	EPA 1630 Mod	
Sample Preparation: EFGS SOP51	33 Solids Ana	lysis									
% Solids	21.1	-	0.1	% by Weight	1	F107349	14-Jul-21		14-Jul-21	SM 2540B	

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Eurofins Lancaster Environmental, LLC Project: Low Level Mercury 2425 New Holland Pike Project Number: 410-44718-1 Reported: Lancaster PA, 17601 Project Manager: Hannah Cottman 20-Aug-21 09:41

IAI-7-BFT04 (410-44718-11)

1G00038-10

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS SOP	2795 Nitric/Sulf	uric Hg I	Digestion								
Mercury	128	2.21	19.7	ng/g	500	F108391	04-Aug-21	1H10013	09-Aug-21	EPA 1631B	QB-01
Sample Preparation: EFGS SOP	2986 KOH/Met	hanol Dig	gestion for	Methyl	Hg						
Methyl Mercury (as Mercury)	31.6	2.3	9.3	ng/g	2500	F107353	21-Jul-21	1G23003	22-Jul-21	EPA 1630 Mod	
Sample Preparation: EFGS SOP	5133 Solids Ana	lysis									
% Solids	19.7	-	0.1	% by Weight	1	F107349	14-Jul-21		14-Jul-21	SM 2540B	

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Eurofins Lancaster Environmental, LLC Project: Low Level Mercury 2425 New Holland Pike Project Number: 410-44718-1 Reported: Lancaster PA, 17601 Project Manager: Hannah Cottman 20-Aug-21 09:41

IAI-1-CRA02 (410-44718-13)

1G00038-11

Analyte	Result	Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS SOP. Mercury	2795 Nitric/Sulf 49.8	0.425	3.79	ng/g	100	F108391	04-Aug-21	1H11018	10-Aug-21	EPA 1631B	QB-01
Sample Preparation: EFGS SOP	2986 KOH/Metl	hanol Dig	gestion for	Methyl	Hg						
Methyl Mercury (as Mercury)	34.7	2.3	9.2	ng/g	2500	F107353	21-Jul-21	1G23003	22-Jul-21	EPA 1630 Mod	
Sample Preparation: EFGS SOP	5133 Solids Ana	lysis									
% Solids	20.4	-	0.1	% by Weight	1	F107349	14-Jul-21		14-Jul-21	SM 2540B	

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Eurofins Lancaster Environmental, LLC Project: Low Level Mercury 2425 New Holland Pike Project Number: 410-44718-1 Reported: Lancaster PA, 17601 Project Manager: Hannah Cottman 20-Aug-21 09:41

IAC-5-CRA03 (410-44718-14)

1G00038-12

Analyte Sample Preparation: EFGS SOP2795 Management of the series of th	Result	Limit	Reporting Limit Digestion	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Mercury	25.5	0.085	0.762	ng/g	20	F108391	04-Aug-21	1H11018	10-Aug-21	EPA 1631B	QB-01
Sample Preparation: EFGS SOP2986 I	KOH/Met	hanol Dig	estion for	Methyl	Hg						
Methyl Mercury (as Mercury)	26.6	2.3	9.1	ng/g	2500	F107353	21-Jul-21	1G23003	22-Jul-21	EPA 1630 Mod	
Sample Preparation: EFGS SOP5133 S	olids Ana	alysis									
% Solids	21.2	-	0.1	% by Weight	1	F107349	14-Jul-21		14-Jul-21	SM 2540B	

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IAI-8-CRA04 (410-44718-15)

1G00038-13

Analyte	Result	Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS SOP	2795 Nitric/Sulf	uric Hg l	Digestion								
Mercury	7.05	0.089	0.798	ng/g	20	F108391	04-Aug-21	1H11018	10-Aug-21	EPA 1631B	QB-01
Sample Preparation: EFGS SOP	2986 KOH/Met	hanol Dig	gestion for	Methyl	Hg						
Methyl Mercury (as Mercury)	7.1	0.5	2.0	ng/g	500	F107353	21-Jul-21	1G23007	23-Jul-21	EPA 1630 Mod	
Sample Preparation: EFGS SOP:	5133 Solids Ana	lysis									
% Solids	18.9	-	0.1	% by Weight	1	F107349	14-Jul-21		14-Jul-21	SM 2540B	

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IAC-6-BFT02 DUP (410-44718-16)

1G00038-14

Analyte	Result	Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS SOP	2795 Nitric/Sulf	uric Hg I	Digestion								
Mercury	138	2.03	18.1	ng/g	500	F108391	04-Aug-21	1H11018	10-Aug-21	EPA 1631B	QB-01
Sample Preparation: EFGS SOP	2986 KOH/Met	hanol Dig	gestion for	Methyl	Hg						
Methyl Mercury (as Mercury)	54.7	2.4	9.7	ng/g	2500	F107353	21-Jul-21	1G23003	22-Jul-21	EPA 1630 Mod	
Sample Preparation: EFGS SOP	5133 Solids Ana	lysis									
% Solids	19.5	-	0.1	% by Weight	1	F107349	14-Jul-21		14-Jul-21	SM 2540B	

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IAC-6-BFT02 (410-44718-17)

1G00038-15

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS SOP27	95 Nitric/Sulf	uric Hg l	Digestion								
Mercury	132	0.404	3.60	ng/g	100	F108391	04-Aug-21	1H11018	10-Aug-21	EPA 1631B	QB-01
Sample Preparation: EFGS SOP29	86 KOH/Met	hanol Dig	gestion for	Methyl	Hg						
Methyl Mercury (as Mercury)	229	2.4	9.4	ng/g	2500	F107353	21-Jul-21	1G23003	22-Jul-21	EPA 1630 Mod	
Sample Preparation: EFGS SOP51	33 Solids Ana	lysis									
% Solids	18.6	-	0.1	% by Weight	1	F107349	14-Jul-21		14-Jul-21	SM 2540B	

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Eurofins Lancaster Environmental, LLC Project: Low Level Mercury 2425 New Holland Pike Project Number: 410-44718-1 Reported: Lancaster PA, 17601 Project Manager: Hannah Cottman 20-Aug-21 09:41

IAC-6-CRA05 (410-44718-18)

1G00038-16

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS SOP27	95 Nitric/Sulf	uric Hg I	Digestion								
Mercury	38.1	0.402	3.59	ng/g	100	F108391	04-Aug-21	1H11018	10-Aug-21	EPA 1631B	QB-01
Sample Preparation: EFGS SOP29	86 KOH/Met	hanol Dig	gestion for	Methyl	Hg						
Methyl Mercury (as Mercury)	58.2	2.5	9.8	ng/g	2500	F107353	21-Jul-21	1G23003	22-Jul-21	EPA 1630 Mod	
Sample Preparation: EFGS SOP51	33 Solids Ana	lysis									
% Solids	22.2	-	0.1	% by Weight	1	F107349	14-Jul-21		14-Jul-21	SM 2540B	

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Eurofins Lancaster Environmental, LLC Project: Low Level Mercury 2425 New Holland Pike Project Number: 410-44718-1 Reported: Lancaster PA, 17601 Project Manager: Hannah Cottman 20-Aug-21 09:41

IAI-7-CRA07 (410-44718-12)

1G00038-17

Analyte	Result	Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS SOP. Mercury	2795 Nitric/Sulf 27.3	0.444	3.97	ng/g	100	F108391	04-Aug-21	1H11018	10-Aug-21	EPA 1631B	QB-01
Sample Preparation: EFGS SOP	2986 KOH/Met	hanol Dig	gestion for	Methyl	Hg						
Methyl Mercury (as Mercury)	50.6	0.5	1.9	ng/g	500	F107354	20-Jul-21	1G22010	21-Jul-21	EPA 1630 Mod	
Sample Preparation: EFGS SOP	5133 Solids Ana	lysis									
% Solids	22.2	-	0.1	% by Weight	1	F107349	14-Jul-21		14-Jul-21	SM 2540B	

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Eurofins Lancaster Environmental, LLC Project: Low Level Mercury 2425 New Holland Pike Project Number: 410-44718-1 Reported: Lancaster PA, 17601 Project Manager: Hannah Cottman 20-Aug-21 09:41

Quality Control Data

Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch F107353 - EFGS SOP2986 KC	OH/Methano	l Digestion	for Methy	l Hg							
Blank (F107353-BLK1)					Prepared: 2	21-Jul-21 A	nalyzed: 22	2-Jul-21			
Methyl Mercury (as Mercury)	ND	0.5	2.0	ng/g							U
Blank (F107353-BLK2)					Prepared: 2	21-Jul-21 A	nalyzed: 22	2-Jul-21			
Methyl Mercury (as Mercury)	ND	0.5	2.0	ng/g							U
Blank (F107353-BLK3)					Prepared: 2	21-Jul-21 A	nalyzed: 22	2-Jul-21			
Methyl Mercury (as Mercury)	ND	0.5	2.0	ng/g							U
LCS (F107353-BS2)					Prepared: 2	21-Jul-21 A	nalyzed: 22	2-Jul-21			
Methyl Mercury (as Mercury)	365.8	2.0	8.0	ng/g	355.00		103	50-150			
LCS Dup (F107353-BSD2)					Prepared: 2	21-Jul-21 A	nalyzed: 22	2-Jul-21			
Methyl Mercury (as Mercury)	371.3	2.0	8.0	ng/g	355.00		105	50-150	1.48	35	
Duplicate (F107353-DUP1)		Source:	1G00038-1	4	Prepared: 2	21-Jul-21 A	nalyzed: 22	2-Jul-21			
Methyl Mercury (as Mercury)	105.3	2.3	9.2	ng/g	*	54.7			63.3	35	
Matrix Spike (F107353-MS1)		Source:	1G00038-1	5	Prepared: 2	21-Jul-21 A	nalyzed: 22	2-Jul-21			
Methyl Mercury (as Mercury)	203.3	2.4	9.5	ng/g	37.936	228.9	-67.5	50-150			QM-02
Matrix Spike (F107353-MS2)		Source:	1G00038-1	6	Prepared: 2	21-Jul-21 A	nalyzed: 22	2-Jul-21			
Methyl Mercury (as Mercury)	97.0	2.4	9.6	ng/g	38.226	58.2	102	50-150			
Matrix Spike Dup (F107353-MSD1)		Source:	1G00038-1	5	Prepared: 2	21-Jul-21 A	nalvzed: 22	2-Jul-21			
Methyl Mercury (as Mercury)	188.2	2.4	9.7	ng/g	38.625	228.9	-105	50-150	-43.9	35	QM-02, QR-09
Matrix Spike Dup (F107353-MSD2)		Source:	1G00038-1	6	Prepared: 2	21-Jul-21 A	nalyzed: 22	2-Jul-21			
Methyl Mercury (as Mercury)	92.8	2.4	9.7	ng/g	38.805	58.2	89.2	50-150	13.0	35	

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Eurofins Lancaster Environmental, LLC Project: Low Level Mercury 2425 New Holland Pike Project Number: 410-44718-1 Reported: Lancaster PA, 17601 Project Manager: Hannah Cottman 20-Aug-21 09:41

Quality Control Data

Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC	RPD	RPD Limit	Notes
Batch F107354 - EFGS SOP2986 KC					Level	resuit	/UKLC	Limits	M D	Limit	110103
Blank (F107354-BLK1)		·	•	•	Prepared: 2	20-Jul-21 A	nalyzed: 21	-Jul-21			
Methyl Mercury (as Mercury)	ND	0.5	2.0	ng/g							Ţ
Blank (F107354-BLK2)					Prepared: 2	20-Jul-21 A	nalyzed: 21	-Jul-21			
Methyl Mercury (as Mercury)	ND	0.5	2.0	ng/g							Ţ
Blank (F107354-BLK3)					Prepared: 2	20-Jul-21 A	nalyzed: 21	-Jul-21			
Methyl Mercury (as Mercury)	ND	0.5	2.0	ng/g							Ţ
LCS (F107354-BS1)					Prepared: 2	20-Jul-21 A	nalyzed: 21	-Jul-21			
Methyl Mercury (as Mercury)	344.6	2.0	8.0	ng/g	355.00		97.1	50-150			
LCS Dup (F107354-BSD1)					Prepared: 2	20-Jul-21 A	nalyzed: 21	-Jul-21			
Methyl Mercury (as Mercury)	390.5	2.0	8.0	ng/g	355.00		110	50-150	12.5	35	
Matrix Spike (F107354-MS1)		Source:	1G00038-1	7	Prepared: 2	20-Jul-21 A	nalyzed: 21	-Jul-21			
Methyl Mercury (as Mercury)	78.1	0.5	1.9	ng/g	37.120	50.6	74.1	50-150			
Matrix Spike (F107354-MS2)		Source:	1G00081-0	1	Prepared: 2	20-Jul-21 A	nalyzed: 21	-Jul-21			
Methyl Mercury (as Mercury)	148.7	2.4	9.5	ng/g	37.936	87.6	161	50-150			QM-0
Matrix Spike Dup (F107354-MSD1)		Source:	1G00038-1	7	Prepared: 2	20-Jul-21 A	nalyzed: 21	-Jul-21			
Methyl Mercury (as Mercury)	87.1	0.5	1.9	ng/g	37.120	50.6	98.4	50-150	28.1	35	
Matrix Spike Dup (F107354-MSD2)		Source:	1G00081-0	1	Prepared: 2	20-Jul-21 A	nalyzed: 21	-Jul-21			
Methyl Mercury (as Mercury)	122.5	2.3	9.1	ng/g	36.219	87.6	96.3	50-150	50.3	35	QR-09
Batch F107399 - EFGS SOP2795 Nit	ric/Sulfuric	Hg Digestic	on								
Blank (F107399-BLK1)					Prepared: 0)4-Aug-21	Analyzed: (9-Aug-21			
Mercury	0.667	0.090	0.800	ng/g							

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Eurofins Lancaster Environmental, LLC Project: Low Level Mercury 2425 New Holland Pike Project Number: 410-44718-1 Reported: Lancaster PA, 17601 Project Manager: Hannah Cottman 20-Aug-21 09:41

Quality Control Data

Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC	RPD	RPD Limit	Notes
,				Cints	Level	resuit	, sittle	Limits	МЪ	Lillit	1,003
Batch F107399 - EFGS SOP2795 Niti	ric/Sulfuric	Hg Digestic	on								
Blank (F107399-BLK2)					Prepared: (04-Aug-21 A	Analyzed: (9-Aug-21			
Mercury	0.128	0.090	0.800	ng/g							
Blank (F107399-BLK3)					Prepared: (04-Aug-21 A	Analyzed: (9-Aug-21			
Mercury	0.410	0.090	0.800	ng/g							
LCS (F107399-BS1)					Prepared: (04-Aug-21 <i>A</i>	Analyzed: (9-Aug-21			
Mercury	401.1	2.24	20.0	ng/g	399.60		100	75-125			
LCS Dup (F107399-BSD1)					Prepared: (04-Aug-21 <i>A</i>	Analyzed: (9-Aug-21			
Mercury	482.2	2.24	20.0	ng/g	399.60		121	75-125	18.4	24	
Matrix Spike (F107399-MS1)		Source:	1G00128-0	9RE1	Prepared: (04-Aug-21 <i>A</i>	Analyzed: (9-Aug-21			
Mercury	383.2	2.13	19.0	ng/g	380.57	6.661	98.9	71-125			
Matrix Spike (F107399-MS3)		Source:	1G00128-0	1RE1	Prepared: (04-Aug-21 <i>A</i>	Analyzed: 1	0-Aug-21			
Mercury	380.0	2.18	19.5	ng/g	389.47	9.644	95.1	71-125			
Matrix Spike Dup (F107399-MSD1)		Source:	1G00128-0	9RE1	Prepared: (04-Aug-21 A	Analyzed: (9-Aug-21			
Mercury	410.6	2.22	19.9	ng/g	396.74	6.661	102	71-125	2.87	24	
Matrix Spike Dup (F107399-MSD3)		Source:	1G00128-0	1RE1	Prepared: (04-Aug-21 <i>A</i>	Analyzed: 1	0-Aug-21			
Mercury	370.0	2.20	19.6	ng/g	392.53	9.644	91.8	71-125	3.53	24	
Batch F108391 - EFGS SOP2795 Niti	ric/Sulfuric	Hg Digestio	on								
Blank (F108391-BLK1)					Prepared: ()4-Aug-21 <i>A</i>	Analyzed: (9-Aug-21			
Mercury	0.658	0.090	0.800	ng/g	*						

Eurofins Frontier Global Sciences, LLC

 ${\it The results in this report only apply to the samples analyzed in accordance with the}$ chain of custody document. This analytical report must be reproduced in its entirety.

Page 28 of 30

Phone: (253) 922-2310

Frontier Global Sciences

Eurofins Lancaster Environmental, LLC Project: Low Level Mercury

2425 New Holland Pike Project Number: 410-44718-1 Reported:
Lancaster PA, 17601 Project Manager: Hannah Cottman 20-Aug-21 09:41

Quality Control Data

	ъ .	Detection	Reporting	** *	Spike	Source	A/DEC	%REC	DDD	RPD	
Analyte	Result	Limit	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch F108391 - EFGS SOP2795 Nit	ric/Sulfuric	Hg Digestio	on								
Blank (F108391-BLK2)					Prepared: ()4-Aug-21	Analyzed: (9-Aug-21			
Mercury	0.103	0.090	0.800	ng/g							
Blank (F108391-BLK3)					Prepared: ()4-Aug-21	Analyzed: (9-Aug-21			
Mercury	1.737	0.090	0.800	ng/g							QB-10
LCS (F108391-BS1)					Prepared: ()4-Aug-21	Analyzed: (9-Aug-21			
Mercury	419.5	2.24	20.0	ng/g	399.60		105	75-125			QB-10
LCS Dup (F108391-BSD1)					Prepared: ()4-Aug-21	Analyzed: (9-Aug-21			
Mercury	405.0	2.24	20.0	ng/g	399.60		101	75-125	3.51	24	QB-10
Matrix Spike (F108391-MS3)		Source:	1G00038-1	5RE2	Prepared: ()4-Aug-21	Analyzed: 1	0-Aug-21			
Mercury	515.2	2.19	19.6	ng/g	391.15	131.8	98.0	71-125			
Matrix Spike (F108391-MS4)		Source:	1G00038-1	6RE2	Prepared: ()4-Aug-21	Analyzed: 1	0-Aug-21			
Mercury	377.7	2.14	19.1	ng/g	381.73	38.12	89.0	71-125			
Matrix Spike Dup (F108391-MSD3)		Source:	1G00038-1	5RE2	Prepared: ()4-Aug-21	Analyzed: 1	0-Aug-21			
Mercury	461.7	2.08	18.6	ng/g	371.93	131.8	88.7	71-125	9.97	24	
Matrix Spike Dup (F108391-MSD4)		Source:	1G00038-1	6RE2	Prepared: ()4-Aug-21	Analyzed: 1	0-Aug-21			
Mercury	393.8	2.18	19.5	ng/g	389.47	38.12	91.3	71-125	2.61	24	

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The results in this report only apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



5755 8th Street East Tacoma, WA 98424 Phone: (253) 922-2310

ı	Eurofins Lancaster Environmental, LLC	Project	: Low Level Mercury	
l	2425 New Holland Pike	Project Number	: 410-44718-1	Reported:
l	Lancaster PA, 17601	Project Manager	: Hannah Cottman	20-Aug-21 09:41

Notes and Definitions

U	Analyte was not detected and is reported as less than the LOD or as defined by the client. The LOD has been adjusted for any dilution or concentration of the sample.
QR-09	MS/MSD and/or MD/MT RPD or RSD greater than the control limits due to a non-homogenous sample matrix. Batch QC acceptable based on LCS/LCSD RPD.
QM-07	The spike recovery was outside control limits for the MS and/or MSD. The batch was accepted based on LCS and LCSD recoveries within control limits and, when analysis permits, acceptable AS/ASD.
QM-02	The MS and/or MSD recoveries outside acceptance limits, due to spike concentration less than 1 times the sample concentration. The batch was accepted based on LCS and LCSD recoveries within control limits and, when analysis permits, acceptable AS/ASD.
QB-10	The method blank and/or initial/continuing calibration blank contains analyte at a concentration above the MRL. Only report sample results greater than 10 times the contamination value (QB-01), or samples less than the MRL (QB-02).
QB-01	The method blank and/or initial/continuing calibration blank contains analyte at a concentration above the MRL. However, the blank concentration(s) are less than 10% of the sample result.
J	The result is an estimated concentration.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the method detection limit if reported to the MDL or above the reporting limit if reported to the MRL.
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Eurofins Frontier Global Sciences, LLC

 ${\it The results in this report only apply to the samples analyzed in accordance with the}$ chain of custody document. This analytical report must be reproduced in its entirety.

Eurofins Lancaster Laboratories Env. LLC 🔅 eurofins 2425 New Holland Pike Chain of Custody **Environment Testing** Lancaster, PA 17601 Phone (717) 656-2300 COC No: Sampler 410-24911-7577.1 Client Information Andrew Miano (EHS Support) 410-44718 Chain of Custody Client Contact: Phone: Page: Ms. Bonnie Stadelmann (215) 870-8984 Page 1 of 3 Job #: Company PWSID: **Analysis Requested** EHS Support, LLC Due Date Requested: Preservation Codes: Address: 167 Oakview Drive A - HCL M - Hexane 1631 Low Level Mercury (EFGS-Seattle SUBCONTRACT) TAT Requested (days): B - NaOH N - None 15 Days SUBCONTRACT) New Lenox C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S State, Zip: E - NaHSO4 Q - Na2SO3 Compliance Project: A Yes A No IL. 60451 F - MeOH R - Na2S2O3 Phone: 5 - H2SO4 G - Amchlor PRP_C01860 312-914-7034 (Tel) H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone WO #: 1630 Methyl Mercury (EFGS-Seattle J - DI Water V - MCAA 038 bonnie.stadelmann@ehs-support.com K - EDTA W - pH 4-5 Project Name Project #: of contains L - EDA Z - other (specify) 41006551 SBA Shipyard LA Fish Tissue Other: DI - Dry Ice SSOW#: SBA Shipyard Superfund Site, Jennings, LA BZ70D_SIM PAH Total Number Matrix Sample (Wewster, Type Besolid, Sample (C=comp, O=waste/oil Sample Date Time G=grab) aT-Tissue, A-Al Special Instructions/Note: Sample Identification DI Preservation Code: DI DI DI Process fish fillet (both sides, no skin, all fish MRBKCD DN PFT01 provided in sample) Process fish fillet (both sides, no skin, all fish 06/18/21 1230 MRBKGD-DN-BFT01 6 Tissue X Х Х Х Х Х provided in sample) - 3 Fish Process tall tissue and hepatopancreas 06/20/21 Х Х Х MRBKGD-DN-CRA01 Tissue Х Х Х together, per SOP provided Tissue Tissue Tissue Tissue Tissue Tissue Tissue Tissue Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Possible Hazard Identification Skill Irritant Pois B Radiological Return To Client known Archive For Non-Hazard Iammable Disposal By Lab Months Special Instructions/QC Requirements: Deliverable Requested: Level II Deliverable Date: Time: Method of Shipment Empty Kit Relinquished by: Company Received by: Date/Time: Relinquished by: Company 06224 EHS Support Company Received by: Company Relinquished by: Relinguished by: Date/Time Company Received by W123/21 1057 Custody Seal No. Cooler Temperature(s) °C and Other Remarks: Custody Seals Intact: Yes A No 8/20/2021 (Rev. 1) Page 68 of 76

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2425 New Holland Pike Lancaster, PA 17801

Chain of Custody Record



eurofins

Environment Testing America

Phone (717) 656-2300																			
Client Information	Sampler: Andrew Miano (I	EHS Suppo	rt)		o PM: Idy, J	ohn I	М						Carrier Tracking No(s):					COC No: 410-24911-7577	.1
ilent Contact: Ms. Bonnie Stadelmann	Phone: (215) 870-6984			Joi		ady@	Eun	ofinse	et.cor	n			State	of Origin	:			Page: Page 1 of 3	
Company: EHS Support, LLC			PWSID:							An	alys	is Re	ques	ted				Job #:	
Address: 167 Oakview Drive	Due Date Requeste	ed:				. 44								10				Preservation Cod	
City: New Lenox	TAT Requested (da	iys): 15 Da	ys							5	Mercury (EFGS-Sealthe SUBCONTRACT)							A - HCL B - NaOH C - Zn Acetate	M - Hexane N - None O - AsNaO2
State, Zip: IL, 60451	Compliance Projec	t: A Yes) No							ONTR	BCON	TRAC					1	D - Nitric Acid E - NaHSO4 F - MeOH	P - Na2O4S Q - Na2SO3 R - Na2S2O3
Phone: 312-914-7034 (Tel)	PO#: PRP_C01860									(EFGS-Seattle SUBCONTRACT)	Ele Su	80 1						G - Amchlor H - Ascorbic Acid	S - H2SO4 T - TSP Dodecahydrate
Email: bonnie.stadelmann@ehs-support.com	WO #: 038				or No					Seattle	3S-Sea	E (S						I - Ice J - Di Water K - EDTA	U - Acetone V - MCAA W - pH 4-5
Project Name: SBA Shipyard LA Fish Tissue	Project #: 41006551				mple (Yes	Sa 🖳				EFGS.	ny (EF	SAMP						L-EDA	Z - other (specify)
Site: SBA Shipyard Superfund Site, Jennings, LA	\$SOW#:				Samp	S/MSD (Yes	_				Mercu						10.00	Other: DI - Dry Ice	
		Sample	Sample Type (C=comp,	Matrix (w-water, 8-solid, 0-waste/oil,	d Fillered	NVS .	8270D_SIM PAH	% Moisture	% Lipids	1630 Methyl Me	1631 Low Level	HOLD HOMOGENIZED SAMPLE (SEE CONTRACT)						Ballan	
Sample Identification	Sample Date	Time	G=grab) вт	-Tissue, A-A			_		-						-			Special In	structions/Note:
			Preservation			A	DI	DI	DI	DI	DI	DI	+-					Description (in the control of the c	ath alder more the att flat
ALS PETOS				Tiesue	\pm		-X	×	×	×	*	×					- 1	provided in sample	
IAI-8-BFT05	06/18/21	0915	9	Tissue			Х	Х	Х	X	Х	X			_			provided in sample	
IAI-6-CRA08	06/20/21	1800	9	Tissue	1		Х	Х	X	X	Х	X				Ш		together, per SOP	and hepatopancreas provided
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Possible Hazard Identification Non-Hazard Poisson Imitant Poisson	n B	own 🗔	adiological					etum	To C	lient			Dispo	sal By I		103 87		ined longer than 1 chive For 6	Months
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Relinguished by:	Data/Time:	4 16		mpany IS Suppor	4		Rece	ived b	у:				_		Da	te/Time:			Company
Relinquished by:	Date/Time:		C	ompany			Rece	ived b	y:						Da	te/Time:			Company
Relinquished by:	Date/Time:		C	ompany			Rece	ived b	y:		/	2	P		Da	te/Time	23/	n 1057	Company
Custody Seals Intact: Custody Seal No.: Δ νες Δ Νο							Cook	er Tem	peratu	ire(s)	°C an	d Other	Remark	B:					
			Р	age 6	9 o	f 7	6												8/20/2021

2425 New Holland Pike Lancaster, PA 17801 Phone (717) 858-2300

Chain of Custody Record



eurofins
Environment Testing

Phone (717) 656-2300 Carrier Tracking No(s): Cady, John M Client Information Andrew Miano (EHS Support) 410-24911-7577.1 Phone: E-Mail: Client Contact: State of Origin: Page: (215) 870-6984 John.Cady@Eurofinset.com Ms. Bonnie Stadelmann Page 1 of 3 Company: PWSID: Job#: EHS Support, LLC **Analysis Requested** Address: Due Date Requested: Preservation Codes: 167 Oakvlew Drive A - HCL M - Hexane TAT Requested (days): SUBCONTRACT) B - NaOH N - None New Lenox 15 Davs SUBCONTRACT C - Zn Acetate O - AsNaO2 HOLD HOMOGENIZED SAMPLE (SEE CONTRACT) State, Zip: D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 Compliance Project: A Yes A No IL, 60451 F - MeOH R - Na25203 Phone: G - Amchior S - H2SO4 312-914-7034 (Tel) PRP C01860 T - TSP Dodecahydrate H - Ascorbic Acid WO#: Email: L-Ice U - Acetone (EFGS-Seattle 038 J - DI Water V - MCAA bonnie.stadelmann@ehs-support.com K - EDTA W - pH 4-5 Project Name: Project #: L - EDA Z - other (specify) 41006551 SBA Shipyard LA Fish Tissue SSOW#: Other: Di - Dry Ice SBA Shipyard Superfund Site, Jennings, LA 8270D_SIM PAH Matrix Sample 1630 Methyl (W=water, Type (C=comp, Sample Sample Identification Sample Date Time G=grab) Special Instructions/Note: DI DI Preservation Code: DI DI DI DI Process fish fillet (both sides, no skin, all fish 1030 IAC-7-PFT03 Tissue Х Х Х Х provided in sample) - 3 Fish Process fish fillet (both sides, no skin, all fish IAC-7-BFT03 1000 Х Х Х Х Х Tissue Х provided in sample) - 2 Fish Process tail tissue and hepatopancreas IAC-7-CRA06 05/18/21 1145 Tissue Х Х Х Х X Х together, per SOP provided Possible Hazard Identification Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Poison B nadiological Non-Hazard Iammable Imitant known Return To Client Archive For ____ Disposal By Lab Months Deliverable Requested: Level II Deliverable Special Instructions/QC Requirements: Empty Kit Relinquished by: Date: Time: Method of Shipment: Relinquished by: Company Recipived by: Date/Time: (10:30 06222 Company EHS Support Received by Relinguished by: Company Company Date/Time Relinguished by: Company Custody Seal No. Cooler Temperature(s) °C and Other Remarks: Custody Seals Intact: A Yes A No

Page 70 of 76

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2425 New Holland Pike Lancaster, PA 17601

Chain of Custody Record



Phone (717) 656-2300																					
Client Information		Lab PM: Carrier Tracking No(s): Viano (EHS Support) Cady, John M							COC No: 410-24911-7577.1												
Client Contact: Vis. Bonnie Stadelmann	Phone: (215) 870-6984			E-Mail: John.		@Eui	rofins	et.cor	n			Stat	e of Ori	gin:				Page: Page 1 of 3			
Company: EHS Support, LLC			PWSID:						Ar	naly	sis R	eque	sted				J	lob#:			
Address: 167 Oakview Drive	Due Date Requeste	d:										Ť					F	Preservation Codes:			
Thy: New Lenox	TAT Requested (da	iys): 15 Da	ys		2 diam				E	RACT)								A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2			
State, Z ⁱ p: L., 80451	Compliance Projec	t: Δ Yes A	∆ No	\dashv					MTRAC	CONT	(LEACT)							D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3			
Phone: 312-914-7034 (Tel)	PO#: PRP_C01860								SUBCONTRACT)	the SUE	SAMPLE (SEE CONTRACT)							F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate			
Emall: bonnie.stadelmann@ehs-support.com	WO#: 038			- 1	es or No				outte	S-Seal	E (SE							I - Ice U - Acetone J - DI Water V - MCAA			
Project Name: SBA Shipyard LA Fish Tissue	Project #: 41006551				واح				Mercury (EFGS-Souttle	y (EFG	SAMPI							K - EDTA W - pH 4-5 L - EDA Z - other (specify)			
Site: SBA Shipyard Superfund Site, Jennings, LA	SSOW#:				Sample SD (Yes				reury (8	Mercu	SNIZED		l logo				9	Other: DI - Dry Ice			
		Sample	Sample Type (C=comp, O=weet	eter, Ad,	Md Filtered Sam	82700_SIM PAH	% Moisture	% Upids	1630 Methyl Me	1631 Low Level Mercury (EFGS-Seattle SUBCONTRACT)	HOLD HOMOGENIZED					Total Manual	Number				
Sample Identification	Sample Date	Time	G=grab) ST=Tissue Preservation Co	-	無	Zg Di	DI		DI	DI	오 Di		1000	200 00	25 1019	1 5	爿	Special Instructions/Note:			
MRBKGD-UP-PFT08	06/18/21	1200	C7 Tiss	- 1		X	Х		X	Х	X						p	Process fish fillet (both sides, no skin, all fish provided in sample)			
MRBKGD-UP-BFT06	06/20/21	1130	Tiss	ue		X	Х	х	х	Х	х						F	Process fish fillet (both sides, no skin, all fish provided in sample) — A FISA			
MRBKGD-UP-CRA09	06/20/21	1700	Tiss	ue	I	х	х	х	х	х	х							Process tall tissue and hepatopancreas ogether, per SOP provided			
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Possible Hazard Identification Non-Hazard Poiss Deliverable Requested: Level II Deliverable	n B onkno	wn n	adiological			口	etum	To C	lien	t		Disp			pies ar			d longer than 1 month) re For6 Months			
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Relinquished by	Date/Time: 06 22		Compan EHS Sui	y			lived b	y:	_						te/Time		_	Company			
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Custody Seals Intact: Custody Seal No.:	1					Cool	er Ten	peratu	re(s)	°C an	d Othe	Remark	a:		1/10	10					

2425 New Holland Pike Lancaster, PA 17801

Chain of Custody Record



Phone (717) 656-2300																						
Client Information	Sampler: Andrew Miano (EHS Suppo	rt)	C	b PM: ady, J	lohn	М						Can	ier Tracki	ng No(s)	:		410	No: 24911-75	77.1		
Client Contact: Ms. Bonnie Stadelmann	Phone: (215) 870-6984				Mail: ohn.C	ady@	© Eur	ofins	et.co	m			Stat LA	e of Origin	1:			Page	: e 1 of 3			
Company: EHS Support, LLC			PWSID:							Aı	naly	sis F	Reque	sted				Job #				
Address: 167 Oakview Drive	Due Date Requeste	ed:															-	Pres	ervation C	odes:		
City: New Lenox	TAT Requested (da	ıys): 15 Da	ys							СТ)	SUBCONTRACT)			:				C - 2	laOH In Acetate	N - 1	Hexane None AsNaO2	
State, ZIp: IL, 80451	Compliance Projec	t: A Yes	ΔNo			8 .				(EFGS-Seattle SUBCONTRACT)	BCON	CONTRACT						E-N	litric Acid IaHSO4 IeOH	Q - I	Na2O4S Na2SO3 Na2S2O3	
Phone: 312-914-7034 (Tel)	PO#: PRP_C01860									SUBC	rttle Su							G - A	mchlor scorbic Acid	S-H T-T	H2SO4 TSP Dodecahy	ydrate
Emall: bonnie.stadelmann@ehs-support.com	WO#: 038				ON 10	or No)				Seattle	(EFGS-Seattle	SAMPLE (SEE							e I Water IDTA	V - N	Acetone MCAA	
Project Name: SBA Shipyard LA Fish Tissue	Project #: 41006551					8				EFGS.	uy (EF							L·E	DA	Z - c	W - pH 4-5 Z - other (specify)	
Site: SBA Shipyard Superfund Site, Jennings, LA	SSOW#:				Sample	N) OS	_			rcuny	Mercury	ENIZEL					ofco	2	r: DI - Dry lo	•		
		Sample	Sample Type (C=comp,	Matrix (Wewster, 8-solid, O-wasts/oil	T.	form in .	82700_SIM PAH	% Moisture	% Lipids	Methyl Me	1631 Low Level	HOLD HOMOGENIZED					Total Number					
Sample Identification	Sample Date	Time	G=grab)	BT=Tissue, A=/	Air) 🗓	E.	_	_		1630	$\overline{}$	\rightarrow	M 1000	20000 000			100		Special	Instru	ctions/Note	0:
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IAI-7-BFT04	06/18/21	0930	9	Tissue	+		х	х	х	х	х	х			+		-	Proc		t (both s	sides, no skir	1, all fish
IAI-7-CRA07	06/21/21	13/4	9	Tissue			х	х	х	х	х	х					100	Proc		ue and h	hepatopancre ded	385
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Possible Hazard Identification Non-Hazard Poisson Irritant Poisson	n B Grikno	wn 🗔	adiological			Sar [\neg	Disp eturn				nay t		ssed If		es are		ned lo hive F	nger than or 6		nth) Months	
Deliverable Requested: Level II Deliverable				-		Spe						quire	ments:									
Empty Kit Relinquished by:		Date:			Ti	me:								Method	of Shipn	ent:						
Relinquished by:	Date/Time: 06222	016	30	Company EHS Suppor	rt		Rece	ived b	у:						Date	/Time:				Com	npany	
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Custody Seals Intact: Custody Seal No.:							Coole	r Tem	perati	ure(s)	*C an	d Othe	r Remark	1			8.1					

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2425 New Holland Pike Lancaster, PA 17801 Phone (717) 656-2300

Chain of Custody Record



eurofins	Environment Testing America	
OC No:	4	
0-24911-7577	.1	
ge: age 1 of 3		
h#:		
eservation Cod	es:	
- HCL	M - Hexane	
- NaOH	N - None	1
- Zn Acetate	O - AsNaO2	l
- Nitric Acid - NaHSO4	P - Na2O4S	
	Q - Na2SO3 R - Na2S2O3	
- Amchlor	S - H2SO4	
- Ascorbic Acid	T - TSP Dodecahydrate	
Ice	U - Acetone	
- DI Water	V - MCAA	
- EDTA	W - pH 4-5	1
- EDA	Z - other (specify)	
her: DI - Dry Ice		
Special in		
Special III	structions/Note:	
and the second		
ocess tail tissue	and hepatopancreas	
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Client Information	Andrew Miano (I	Cac	_{PM:} dy, Joh	ın M						C	irrier 1	rackin	g No(s	i):			COC No: 410-24911-7577.1						
lient Contact:	Phone:			E-M	nit:									Origin:					Page:				
fs. Bonnie Stadelmann ompany:	(215) 870-6984		PWSID:	Jon	n.Cad	y@Eu	rotins	et.co	m	-			4					_	Page 1 of 3				
HS Support, LLC									Ar	naly	sis	Requ	este	d									
ddress: 67 Oakview Drive	Due Date Requeste	od:			1	ঝ													Preservation Codes				
lty:	TAT Requested (da	ıys): 15 Da								cury (EFGS-Seattle SUBCONTRACT)					1				A - HCL M - Hexans B - NaOH N - None				
lew Lenox Rate, Zip:	-	15 Day	ув						ACT	ST	E									- AsNaO2 - Na2O4S			
L, 80451	Compliance Project	t: A Yes A	7 No						E	8	CONTRACT								E - NaHSO4 Q	- Na2SO3			
Phone:	PO#: PRP_C01860								BC	Su	8							198	G - Amchlor S	- Na2S2O3 - H2SO4			
312-914-7034 (Tel)	WO #:				9				20	outte	SEE									- TSP Dodecahydrati - Acetone			
ponnie.stadelmann@ehs-support.com	038				8	1			i i	SSS	<u><u> </u></u>	ı		1				10	J - DI Water V	- MCAA V - pH 4-5			
Project Name: SBA Shipyard LA Fish Tissue	Project #: 41006551				اع	1			SS S	Ē	SAMPLE							imer		- other (specify)			
sta:	SSOW#:				물				自	Curry	S							ontra	Other: Di - Dry ice				
SBA Shipyard Superfund Site, Jennings, LA					Sam	2 -			5	20	NIZ							ojo					
			Sample Type (C=comp, G=grab)	Matrix	ered San	SIM PAH			1630 Methyl Mercury (EFGS-Seattle SUBCONTRACT)	PAGE	HOLD HOMOGENIZED							per					
			Туре	(Wewater,		13	Strar	8	A P	B I	ğ							N					
	Samula Bata	Sample	(C=Comp,	O-waste/oil,	용	8270D	% Moistar	% Lipids	83	1631 Low	9							Total Number					
Sample Identification	Sample Date	Time	Preservati	on Code:	**	DI	DI	DI	$\overline{}$		± DI	8,000 E			de			÷	Special instr	ructions/Note:			
	(2201	12.40			Y	4	-		$\overline{}$		-	SEC. 17.	90	9 9	1500			\triangle	Process tail tissue and	d hepatopancreas			
AI-1-CRA02	62224	1300	G	Tissue	┦-	X	X	X	Х	Х	X		\perp	\bot	-				together, per SOP pro	vided			
AC-5-CRA03	06/21/21	1630		Tissue	Ш	X	Х	Х	Х	х	X								Process tall tissue and together, per SOP pro	d hepatopancreas ovided			
AI-8-CRA04	5/19/21	1075		Tissue	П	Х	Х	х	х	х	X			Τ	Т				Process tail tissue and together, per SOP pro				
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Possible Hazard Identification	7-16	-			s	ample	Dis	posal	(A	fee n	ay	be ass	0550	d if s	ampl	es ar	e ret	alne	ed longer than 1 mo	onth)			
Non-Hazard lammable Smill Irritant Pols	on B onkno	wn m	diological				etum	To C	Client	t	- 1	Dis	osal	By L	ab		A	rchi	ive For6	Months			
Deliverable Requested: Level II Deliverable					S	pecial	Instr	uction	ns/Q	C Re	quire	ments											
Empty Kit Relinquished by:		Date:			Time	1:	-	_	_		-		Me	thod o	f Ships	ment:	_	_					
	Date/Time:	1-2.0.	Ic	ompany	1		eived b	OV: \			_					a/Time:	_	Company					
Relinquished by:				HS Support										_									
Relinquished by:	Date/Time: Cor					Rec	elved t	oy:	\						Date	/Time:			c	ompany			
Follow leb ad bu	Data Cina					Received by									D47	/TI-die:	1	. /	N. S. C	Office ny			
Relinquished by:	Date/Time: Company														T	72	3/7	L(1055	FUE			
Custody Seals Intact: Custody Seal No.:						260	ler Ter	perati	ure(s)	°C an	d Ou	er Rema	irks:		31	2							
A Yes A No						1								-	26	613							

2425 New Holland Pike Lancaster, PA 17601 Phone (717) 656-2300

Chain of Custody Record



Environment Testing
America

Phone (717) 636-2300																					
Client Information	Sampler: Lab F Andrew Miano (EHS Support) Cad					nn M						Cam	er Traci	ing No	(8):			COC No: 410-24911-7577.1			
Client Contect: Ms. Bonnie Stadelmann	Phone: (215) 870-6984			E-Ma Johr		ly@E	urofin	set.co	m			State	of Orig	in:			- 1	Page: Page 1 of 3			
Company: EHS Support, LLC			PWSID:						An	alvs	is R	eques	ted					Job #:			
Address:	Due Date Requeste	id:				(A)				T	Т		7.					Preservation Codes:			
167 Oakvlew Drive City:	TAT Requested (da	ıys):			Marine					E								A - HCL M - Haxane B - NaOH N - None			
New Lenox		16 Da	ıys		100				F3	ITEA	=							C - Zn Acetate O - AsNaO2			
State, Zip: IL., 60451	Compliance Projec	t: A Yes	Δ No			200			MTR	000	CONTINACT							E - NaHSO4 Q - Na2SO3			
Phone: 312-914-7034 (Tel)	PO#: PRP_C01860								(EFGS-Seattle SUBCONTRACT)	1631 Low Level Mercury (EFGS-Seattle SUBCONTRACT)	5						-3	F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate			
Email: bonnie.stadelmann@ehs-support.com	WO#: 038				or No)				eg l	Seat	2							I - Ice U - Acetone J - DI Water V - MCAA			
Project Name:	Project #:					5			35	FGS	SAMPLE (SEE						tainers	K - EDTA W - pH 4-5 L - EDA Z - other (specify)			
SBA Shipyard LA Fish Tissue	41006551 SSOW#:				ample (Yes) (Yes			EFG	Lay (B							ntair	Other: Di - Dry Ice			
Site: SBA Shipyard Superfund Site, Jennings, LA	330***.				Sam				Mercury	Merc	HOLD HUMOGENIZED						of con	Other: bi - bry ice			
			Sample N	latrix	E	RZZZOD SIM PAH	,		37 P6		5						Total Number				
		Sample	1700	/=water, =solid,	E	0	% Moisture	şg	1630 Methyl	10	2						Z				
Sample Identification	Sample Date	Time	G=grab) st-Ti	weste/oil, ssue, A=Alr)	Field Fil	Ą	×	% Lipids	1630	1631	2						Tota	Special Instructions/Note:			
	$\gg \leqslant$	$\geq \leq$	Preservation	Code;	X	X o	I DI	DI	DI	DI	וכ		38	t ii			X				
DUP-BFT-0001	06/20/21	1100	G T	Issue	Ц	1	X	x	х	X	x							Process fish fillet (both sides, no skin, all fish provided in sample) ーピーデック			
MS-BFT-0001			1 1	issue)	X	X	X	Х	x							Process fish fillet (both sides, no skin, all fish provided in sample) - 4 Fish			
MSD-BFT-0001	J	V	T	Issue		>	X	х	Х	x	x							Process fish filet (both sides, no skin, all fish provided in sample)			
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Possible Hazard Identification			1		5		1				y be	7			oles ar			ed longer than 1 month)			
Non-Hazard lammable skim Irritant Polso Deliverable Requested: Level II Deliverable	n B Onkno	wn הל	adiological		-		Retun				ulrem	Dispo:	sal By	Lab		A	rchi	ive For 6 Months			
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Empty Kit Relinquished by:		Date:	1-		Tim								Method					100			
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Custody Seals Intact: Custody Seal No.:						Co	olar Tel	nperatu	re(s)	°C and	Other	temark	3				1	1000			
Δ Yes Δ No													-	26	.5						

2425 New Holland Pike Lancaster, PA 17601

Chain of Custody Record

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Environment Testing

Phone (717) 656-2300																			
Client Information	Sampler: Andrew Miano (i	EHS Suppor	t)		y, Jo	ohn N	Л								ng No(s):			COC No: 410-24911-7577.1	
Sient Contect: As. Bonnie Stadelmann	Phone: (215) 870-6984			Johr		idy@	Euro	finse	t.com	1			State	of Origin	i:			Page: Page 1 of 3	
company:			PWSID:						==	And	alvai	a Da		to d				Job#:	
HS Support, LLC	Due Date Requests	ıd:					_			Ana	aiysi	8 KE	ques	tea	_		1	Preservation Code	
kddress: 187 Oakvlew Drive																	13		e: M - Hexane
Sity: New Lenox	TAT Requested (da	iys): 15 Day	/8								Mercury (EFGS-Seattle SUBCONTRACT)							B - NaOH C - Zn Acetate	N - None O - AsNaO2
State, Zip: L, 80451	Compliance Projec	t: A Yes A	No							NI K	BCON	2					1	E - NaHSO4	P - Na2O4S Q - Na2SO3 R - Na2S2O3
Phone: 312-914-7034 (Tel)	PO#: PRP_C01860									cury (EFGS-Seame SUBCONTRACT)	ttle St	5						G - Amchior H - Ascorbic Acid	S - H2SO4 T - TSP Dodecahydrate
Email: bonnie.stadelmann@ehs-support.com	WO#: 038				or No	(0)				eatte	S-Sea	201						J - DI Water	U - Acetone V - MCAA
Project Name:	Project #: 41006551				, cos	N NO			9	200	E G						containers	K - EDTA L - EDA	W - pH 4-5 Z - other (specify)
SBA Shipyard LA Fish Tissue Site:	SSOW#:				Sample (Yes	Ces				2	S G	â					Conta	Other: DI - Dry Ice	
SBA Shipyard Superfund Site, Jennings, LA					Sar	OSU	¥			Mercu							9		
Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (w-water, 8-colld, 0-waste/oil, BT-Tiusue, A-Air)	Field Fillers	Fill forms	8270D SIM PAH	% Moisture		<u> </u>	1631 Low Level Mercury (EFGS-Seattle SUBCONT)						Total Number	Special Ins	tructions/Note:
		><		tion Code:	X	X	DI	DI	DI I	DI I		Н					X		
IAC 8-PET02				Tissue	H		X.	×	X	Y	Y .	× -		-			100	provided in sample)	oth sides, no skip, all fish
IAC-8-BFT02	06/20/21	1100	9	Tissue		y	х	х	X :	х	x :	х						Process fish fillet (be provided in sample)	oth sides, no skin, all fish
IAC-8-CRA05	62221	1305	6	Tissue	Ц		X	x	x :	×	x :	x	\sqcup					Process tail tissue a together, per SOP p	
					Ц		4	+	_	_	_	+	\sqcup	_		1			
					Н	4	1	+	+	+	-	+	\perp	+	-				
					Н	-	+	+	+	+	+	+		+			3		
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	-				Н	+	-	+	+	+	+	+		-	-	-	- 1		
		-			Н	+	+	+	+	+	+	+	-	+	+				
Possible Hazard Identification		<u> </u>			Н	Sam	ple	Dispo	sal (A	ee m	av be	88885	sed H	sample	3 878	retair	ned longer than 1 n	nonth)
Non-Hazard riammable Skill Imitant Pols	on B Godkno	own In	diological				- 1		To Cl			1	Dispos				_	nive For 6	Months
Deliverable Requested: Level II Deliverable						Spec	ial li	nstruc	tions	/QC	Req	uirem	ents:						
Empty Kit Relinquished by:		Date:			Tin	ne:								Method	of Shipm	ent:			
Relinquished by:	Date/Time: 0622	2/ 10	30	Company EHS Support		F	Receiv	ed by:		7)		Date	/Time:			Company
Relinquished by:	Date/Time:			Company		F	Receiv	ed by:	7				J		Date	/Time:	,		Company
Relinquished by:	Qate/Time:			Сотрапу		F	Receiv	ed by	5		2				Days	Tito 2	3/2	1 1055	Company
Custody Seals Intact: Custody Seal No.:						C	Coole	Temp	eratur	0(8)	C and	Other	Remarks			1 4		1000	

Login Sample Receipt Checklist

Client: EHS Support, LLC Job Number: 410-44718-1

Login Number: 44718 List Source: Eurofins Lancaster Laboratories Env, LLC

List Number: 1

Creator: Hollinger, Zane T

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (=6C, not frozen).</td <td>False</td> <td>Refer to Job Narrative for details.</td>	False	Refer to Job Narrative for details.
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (=6C, not frozen).</td <td>N/A</td> <td></td>	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified.	N/A	
Residual Chlorine Checked.	N/A	
Sample custody seals are intact.	N/A	



Service Request No:K2205501

Jon Hamilton EHS Support LLC 2303 North Bosworth Road Suite 2B Chicago, IL 60614

Laboratory Results for: SBA Shipyard, LA

Dear Jon,

Enclosed are the results of the sample(s) submitted to our laboratory May 18, 2022 For your reference, these analyses have been assigned our service request number **K2205501**.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3376. You may also contact me via email at Mark.Harris@alsglobal.com.

Respectfully submitted,

noe D. Oar

ALS Group USA, Corp. dba ALS Environmental

Mark Harris

Project Manager



Narrative Documents

ALS Environmental—Kelso Laboratory 1317 South 13th Avenue, Kelso, WA 98626 Phone (360) 577-7222 Fax (360) 425-9096 www.alsglobal.com



Client:EHS Support LLCService Request: K2205501Project:SBA Shipyard, LADate Received: 05/18/2022

Sample Matrix: Animal Tissue

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Fifteen animal tissue samples were received for analysis at ALS Environmental on 05/18/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Semivoa GC:

Method ALS SOP, 06/03/2022:The analysis of butyltins by ALS/SOP requires the use of dual column confirmation. When the Continuing Calibration Verification (CCV) criterion is met for both columns, the lower of the two sample results is generally reported. The primary evaluation criteria were not met on the confirmation column for the surrogate compound, Tri-n-propyltin. The results were reported from the column with an acceptable CCV. The data quality was not affected. No further corrective action was necessary.

Method ALS SOP, 06/03/2022:The upper control criterion was exceeded for Di-n-butyltin and Tri-n-butyltin in Continuing Calibration Verification (CCV) KQ2209620-01 and-03. The field samples analyzed in this sequence did not contain the analytes in question above the MRL. Since the apparent problem indicated a potential high bias, the data quality was not affected. No further corrective action was required.

Metals:

No significant anomalies were noted with this analysis.

	1	4	2. 17 cla		
Approved by				Date	06/06/2022

7 00 0 mag



SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: IAC-7-PFT03		Lab	ID: K2205	5501-001		
Analyte	Results	Flag	MDL	MRL	Units	Method
Total Solids	22.1				Percent	Freeze Dry
n-Butyltin Cation	0.34	J	0.18	0.93	ug/Kg	ALS SOP
CLIENT ID: IAC-7-BFT03		Lab	ID: K2205	5501-002		
Analyte	Results	Flag	MDL	MRL	Units	Method
Total Solids	20.6				Percent	Freeze Dry
n-Butyltin Cation	0.26	J	0.18	0.96	ug/Kg	ALS SOP
CLIENT ID: MRBKGD-UP-PFT06		Lab	ID: K2205	5501-003		
Analyte	Results	Flag	MDL	MRL	Units	Method
Total Solids	20.7				Percent	Freeze Dry
CLIENT ID: MRBKGD-UP-BFT06		Lab	ID: K2205	5501-004		
Analyte	Results	Flag	MDL	MRL	Units	Method
Total Solids	20.4				Percent	Freeze Dry



Sample Receipt Information

ALS Environmental—Kelso Laboratory 1317 South 13th Avenue, Kelso, WA 98626 Phone (360) 577-7222 Fax (360) 425-9096 www.alsglobal.com Client: EHS Support LLC Service Request:K2205501

Project: SBA Shipyard, LA/41006551

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	<u>DATE</u>	<u>TIME</u>
K2205501-001	IAC-7-PFT03	6/19/2021	1030
K2205501-002	IAC-7-BFT03	6/19/2021	1000
K2205501-003	MRBKGD-UP-PFT06	6/18/2021	1200
K2205501-004	MRBKGD-UP-BFT06	6/20/2021	1130

2425 New Holland Pike Lancaster, PA 17801 Phone (717) 858-2300

Chain of Custody Record



Environment Yesting America

Client information	Sample: Andrew Miano (E	HS Suppo	d)	Lab	>M. y, Jol	ho M						c	errier	Frackli	ng No(a):	•	**********	COC No: 410-24911-7577.1
Client Contect:	Phone: (215) 870-8984			E-Ma	d;							s	ate of	Origin	1:				Page:
Ms. Bonnie Stadeimann Company:	[(212) 0/0-0904	····	PWSiD:	Jon	T	YOU	uronn	set.co											Page 1 of 3
EHS Support, LLC	Due Date Requeste	d:	<u> </u>						An	alysi	s F	tequ	este	d				1 37	Preservation Codes:
167 Oakview Drive						1			1		1							Sept.	A - HCL M - Hexans
City: New Lenox	TAT Requested (da	ys): 15 Da	ya.						Ę	Mercury (EFGS Seattle SUBCONTRACT)								2000	B - NaOH N - None C - Zn Acatate O - AsiNaO2 D - Nitric Acid P - Na2O4S
State, Zip- IL, 60451	Compliance Project	: Δ Yes	s No		1				Ĕ	000									E - NaHSO4 Q - NaZSO3 F - MaOH R - NaZSO3
Phone 312-914-7034 (Tel)	PO#: PRP_C01860								Mercury (EFGS-Seattle SUBCONTRACT)	75 eg	5								G - Amchior S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrata
Email: bonnie stadelmann@ehs-support.com	WO#: 038				ξį.				T T	S.S.	4							200	I - Ice U - Acetone J - Di Water V - MCAA
Project Name:	Project #: 41006551		·····	<u> </u>					850	<u> </u>								containers	K - EDTA W - pH 4-5 L - EDA Z - other (specify)
SBA Shipyard LA Fish Tissue Sits:	SSOW#:				pie (Yes				Ė								l	Į.	Other: Di - Dry Ica
SBA Shipyard Superfund Site, Jennings, LA			1	1	3	1 5						-	ļ					8	5
		Semple	Sample Type (C=comp,	Matrix (Window, 6-redd, Orwesteres,	old Filters	HAY MIS COTES	% Moisture		1530 Methyt W	1631 Low Lavel Mercury (EFGS-Saattle SUBCONT)	DECEMBER OF THE PERSON OF THE							Total Number	*
Sample identification	Sample Date	Time		et-tissus, A-Air)	K						5		+	(à			- 12	춫	Special instructions/Note:
IAC-7-PFT03	06/19/21	1030	(7)	Tissue	fΥ	X		X	x		x	+	+	+	+	1	 		Process fish fillet (both sides, no skin, all fish
IAC-7-BFT03	06/19/21	1000		Tissue	$\dag \dag$	x		X	$\frac{1}{x}$		\mathbf{x}^{\dagger}	┪	+	+	+	+	T		Process fish fillet (both sides, no skin, all fish provided in sample)
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relinguished by: Walls Brow 5/17/22 1437 GIE

Page 7 of 42 12 Having 5/18/22 100 5/18

2425 New Holland Pike Lancaster, PA 17601 Phone (717) 656-2300

Chain of Custody Record

eurofins Environment Testing

Client information	Sampler Andrew Misno (i	EHS Suppo	ri)	Lab Cac	РМ: iy, John	М						P	amer .	rackin	g No(s	i };			COC No: 410-24911-7577.1	
Sient Contact: As. Bonnie Stadelmann	Phone: (215) 870-8984			E-Mi Joh	ili n.Cadyi	® Eur	ofins	et.co) TT	······································	·········		iate of	Ongin					Page: Page 1 of 3	
Company: EHS Support, LLC			PWSID:		T					naiv.	e le l	Requ	ceto	· · ·					Job #	
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87 Oakview Drive	TAT Requested (de				1				٦	Ē								- 1	8 - NeOH	M - Haxans N - None
New Lenox State, Zip:		15 Da	-						PAC	SUBCONTRACT	Ę								D - Nitric Acid	O - AsNaO2 P - Na2O4S
L, 60451	Compliance Project	t: Δ Y## <i>δ</i>	à No		11				O.	X I	A TR								F - MeOH	Q - N#2503 R - N#25203
12-914-7034 (Tel)	PRP_C01860								ans	Seg	8	Ì						10	H - Ascorbic Acid	S - HZSO4 T - TSP Dodecanydrate
mali: oonile.stadelmann@ehs-support.com	WO#: 038				mple (Yes or No				Seatthe	(EFGS Seattle	LE (St								J - DI Weter	U - Acetone V - MCAA W - pH 4-5
Project Name: SBA Shipyard LA: Fish Tissue	Project #: 41006551				٤				EFGS.	y (EF	SAMP							i	L - EDA	Z - other (specify)
iile: BBA Shipyard Superfund Site, Jennings, LA	SSOW#:					١) (i	Ž.	O JZNC			l			-	9	Other: Di - Dry Ice	
	Samala Sata	Sample	Sample Type (C=comp, G=grab)	Matrix (www., s-sold, G-warmos,	MA Pleased	82730_SHEPAP	% Hoistans	% Lipida	1830 Methyl Mercury (EFGS-Seathe SUBCONTRACT)	1631 Low Level	HOLD HOMOGENIZED SAMPLE (SEE CONTRACT)							otal Number	Consisting	·
Sample Identification	Sample Date	Time		er-these, available	XX XX	Di	DI	Dì	Di	DI	D		7	436 N	1	1		첫	Special line	tructions/Note:
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MR8KGD-UP-BFT08	06/2001	1130		Tissue	\prod	X	х	х	х	х	Х		T						Process fish fillet (bo provided in sample)	oth sides, no skin, ell f - 2 + 154
MRBKGD-UP-CRA09	06/20/21	1700	₹	Tissue	П	x	х	х	Х	х	х		T						Process tall tissue a together, per SOP p	nd hepatopancreas
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2425 New Holland Pike Lancaster, PA 17601

Chain of Custody Record

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Phone (717) 658-2300	Sempler			lueb	PM:	······						Ic	smer '	7/ackin	o Noti	ı):			COC Ne:	
Client Information	Andrew Miano	EHS Suppo	ori)	Cad	dy Jo	ohn M					-								410-24911-7577.1	
Client Contact: Ms. Bonnie Stadelmann	Phone: (215) 870-8984			E-M Joh		dy@i	Eurofi	nset.c	com				tate of A	Offgin	:				Page: Page 1 of 3	
Company. EHS Support, LLC			PWSID.		Τ				A	nal	/Bia	Requ	esta	d			****		Job #.	*****
Address:	Due Date Request	ed:						Τ	T	T				Ť	Τ	T	T	19	Preservation Codes:	
167 Oakview Drive	TAT Requested (d				-	Н				16									A - HCL M - Hexane B - N4OH N - None	
New Lenox State, Zip:		18 Da	iys						Ę	Ě	E								C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S	
IL, 80451	Compliance Proje	rt: Δ Yes	∆ No		11				E	8	(SEE CONTRACT)								E - NaHSO4	3
Phone: 312-914-7034 (Tel)	PO#: PRP_C01860			" - -					Q S	\$	8	-						養養	G - Amonior S - HZSO4 H - Ascorbic Acid T - TSP Ded	
Email:	WO #: 038				13		ĺ		Mercury (EFGS-Seathe SUBCONTRACT)	#Y (EFGS-Seattle SUBCONTRACT)	38								1- ice U - Acetoris J - Di Water V - MCAA	
bonnie.stadelmann@ehs-support.com Project Name:	Project ≇.			· / · · · · · · · · · · · · · · · · · ·					35	15	MP.E							-	K - EDTA W - pH 4-5 L - EDA Z - other (spi	uerifu)
SBA Shipyard LA Fish Tissue Sia:	41008551 550W#:								(EFG	1	3	-						1	Other: Di - Dry Ice	#U133
SBA Shipyard Superfund Site, Jennings, LA	000,110				JĒ	副.	.		Tag.	¥	NIZE							5	outer, or - bry ice	
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Sample identification	Sample Date	Time	G=grab)	BT=Thum, Andle												<u> </u>	<u> </u>	3	Special instructions/	/Note:
		$\geq \leq$		tion Code.	X	Y !) D	l DI	DI	DI	Di				120		<u> </u>	X		
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N-8-CRAGE	8/19/21	1015	V	Tissue	H	\pm	7	- ×	×	×	×	干	7	1	\perp_{ℓ}	DK	41	112	Process tall tissue and hepatopa together, per SOP provided	BUCLEEF
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Possible Hazard Identification		<u> </u>	<u> </u>		┸┪	Samp	le Di	sposi	el (A	100	may i	be 858	***	d if s	ampi	es a	re rei	taln	ed longer than 1 month)	
Non-Hazard Ismmable Skin Irritant Po	isa B	wn Fa	diological			~~~	3	m To]		posal						ive For 6 Months	
Deliverable Requested: Level It Deliverable						Speci	al ins	tructio	ons/Q	C Re	quire	ments								
Empty Kit Relinquished by:		Date:			Tim	16:						:	3,54	thod o	1 Ship	พะกะ				***************************************
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Relinquished by:	Data/Time:			EHS Support Company		R	Chive	l by	+			····			Date	/Tinv	ı;		Company	
	1044.00			Park		1,2			2_						-	1	_		Canada	
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Custody Seals Intact: Custody Seal No.:	······································			····		R.	_	•				er Rem		. 2000	3 <i>i</i> .	. <				
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2425 New Holland Pike Lancaster, PA 17801 Phone (717) 656-2300

Chain of Custody Record

Component Testing

	Sampler Andrew Miano (EH:	S Support)		Lab PN Cady,		м			************		C	esser To	asking :	No(s);			COC No. 410-24911-7577.1	
Crient Contact:	Phone:	о осруго, ,,		E-Melt			_					late of (Origin:				Page:	
Ms. Bonnie Stadelmann Company:	(215) 870-6984	Ta)	WSID:	John.	Cady(g Euro	ofinse	1.com				A					Page 1 of 3	
EHS Support, LLC			77210					A	hal	/ais	Requ	este	1					!
Address: 167 Oakview Drive	Due Date Requested:															10	Preservation Code	
City: New Lenox	TAT Requested (days)	15 Days						ACT)	Mercury (EFGS-Seattle SUBCONTRACT)	e						1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A	B - NaOH C - Zn Acetate	V - Hexans N - None D - AshaO2
State, Zip: IL, 60451	Compilance Project:	AYes A	Ψo	——				Ę	Š	PLAC						18	E - NaHSQ4 (- NaZO4S 3 - NaZSO3
Phone: 312-914-7034 (Tel)	PG#: PRP_C01860							(EFGS-Seattle SUBCONTRACT)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	E CON							G • Amchior H • Ascorbic Acid	R - NaZS203 S - H2S04 F - TSP Dodacahydrata
Email: bonnie.stadelmann@ehs-support.com	WO#: 038			ľ			-	att.	1,5	E (SE				***************************************			J - Di Water 1	U - Acetone V - MCAA
Project Name: SBA Shipyard LA Fish Tissue	Project #: 41006551							EF65-S	n, (EFG	SAMP						of containers	L-EDA ;	W - pH 4-5 Z - other (specify)
Site: SBA Shipyard Superfund Site, Jennings, LA	SSOW#:					Ļ		Mencury (Merca	PAZEC							Other: D1 - Dry Ice	
	s		Туре	Matrix Movement Second		BZ700_SIM PAH	% Moistare	% Lipids 1630 Methyl Me		HOLD HOMOGENIZED SAMPLE (SEE CONTRACT)						Total Number		
Sample identification	Sample Date	Time (G=grab) ===			_				_		_	4		4-	怜	Special inst	ructions/Note:
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KAT PETO)				Ticsue	丰	Ľ		× ×	‡ *	Ľ						1	provided in sample)	
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Possible Hezerd Identification					 	mole	Dien	nepl (6 /00	me:/	<u></u>	10150	d H s=	mnia	are re	la/n	ed longer than 1 m	onthi
Non-Hazard lammable and irritant Polso	B Griknown	G.	iological			Ц _ю	etum	To Clie	nt			posa/	By Le	b		Arch	ive For 6	Months
Deliverable Requested: Level II Deliverable					Sp	ecial	Instru	ctions/	QC R	equin	ement	5.						
Empty Kil Relinquished by:		ate:		l	Time:							Me	thod of	Shipmen				
Relinquished by:	Date/Time: 00227/	0163	() EHS	npuny Support		Rece	ived by	:					·	Date/Tip	<u> </u>			Company
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Relinquished by:	cete/Time:		Con	ipany		Recei	ived by	:	1	$\overline{\gamma}$	VÝ)		Oate/fir	131	91	1047	EWE
Custody Seals Intact: Custody Seal No.: Δ Yes Δ No						Cools	r Tem	enstane)	(s) *C (nd Ott	er Rem	arks:		-	-48			

remousing by: 20018 Bm 5/17/22 1436 ENE

Page 10 of 42 Haule 5/18/22 6736 ACS

Seurofins Environment Testing

																			
2425 New Holland Pike Lancaster, PA 17801	(Chain	of Cus	stody i															wironment Testing nerica
Phone (717) 858-2300	Sampler:			C											,*)			COC No:	
Cilent Information Cilent Contact:	Andrew Mizno (Phone:	EHS Suppo	ort)	— <u>₽</u>	410	-4471	8 Cr	ain o	f Cu	stody		1111811111	ļ			····		410-24911-7577.1 Page	**************************************
Ms. Bonnis Stadelmann Company:	(215) 870-6984		PWSID.	Jo.,.		·. <u>.</u>						ma ·						Page 1 of 3	
EHS Support, LLC			FWSID.		L				A	naly	sis F	dupes	stec	1					
Address: 187 Oakvlew Drive	Due Date Request	ed:			Section.												8	Preservation Codes:	
City: New Lenox	TAT Requested (d	sys): 16 Da	y s		000000000000000000000000000000000000000	4			E	EL SUBCONTRACT								B-NaCH N-	Hexane None AsNeO2
State, Zip: IL, 60451	Compliance Projec	et: A Yes	Δ No		000				SUBCONTRACT)	COM	RACT							D - Nitric Acid P - E - NaHSO4 O -	N#204S N#2503
Phone: 312-814-7034 (Tel)	PO #: PRP_C01880				0.895				UBCO	808	COM							G - Amchior S - I	Na2S2O3 H2SO4 TSP Dodacahydrate
Email: bonnie.stadelmann@ehs-support.com	WO.≢: 038				2						E (SEE							l-los U-,	Acetorie MCAA
Project Name SBA Shipyard LA Fish Tissue	Project #: 41008551		······································		Ž.				(EFGS Seatthe	ury (EFGS-Sea	SAMPLE (SEE CONTRACT)			-			1		pH 4-5 citier (apacify)
Site: SBA Shipyard Superfund Site, Jennings, LA	SSOW#:	 			3	O SIM PAH			ary (E	Arca	SGED						Cone	Other: DI - Dry Ice	
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A STATE OF THE STA		> <		tion Code.	文		D		•		DI	30 P	7; <i>1</i> 7)	1 30	30	50 Ng	X		
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MRBKGD-DN-CRA01	06/20/21	1730	6	Tissue	Ħ	×	×	×	Х	x	х			1			8	Process tall tissue and hi logether, per SOP provid	repatopancreas
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Relinquished by:	06224 Date/Time	Ko	30	EHS Support Company		Rec	eived	by:						***************************************	Ósts/Ti	ine:		Con	репу
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									- tag d	<i>y</i>	Y \	4	4.			23	10	1 1057 18	YVG
Custody Seals Intact: Custody Seat No:						Coc	egr i è	mpana	tur#(#)	TU RO	a Uline	r Rema	1 5.5 .	-3	3, Y	!	1		

Eurofins Lancaster Laboratories Env. LLC

2425 New Holland Pike Lancaster, PA 17601

Chain of Custody Record



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Environment Yesting America

Mode (737) 030-2300	Sampler:		<u></u>	LabP	iu: y, Joh <i>i</i>	. 6 <i>8</i>			**************************************	**********	že vo(ma n	Car	rier Tra	clung N	lo(a):			COC No: 410-24911-7577.1		
Client Information Glent Contact:	Andrew Miano (i Phone:	ena auppor	<u> </u>	E-Ma	ii.	STATE STREET	_	- Chillips (resp. ma	******	**************	*******		a of Or	lgin:	***********			Page		
Ms. Bonnie Stadelmann	(215) 870-8984		PWSID:	John	n Cady	@Eu	rofins	et.com	1			LA						Page 1 of 3	-	
Company: EHS Support, LLC			, (10.D.						An	alyai	s R	eque	sted				,		********	
Addrass: 167 Oakvlew Drive	Due Date Requests	d:														-	300	Preservation Codes	i: A - Haxana	
City: New Lenox	TAT Requested (de	iya): 15 Daj	ув						5	Mercury (CFGS-Seattle SUBCOATRACT)								B - NaOH I C - Zn Acetate (i - None 3 - AsNeO2	
State, Zip: N., 60451	Compliance Projec	t: Δ Ye# Δ) No		11												180	E-NaHSO4	2 - Na2048 2 - Na2803	İ
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bonnie.stadeimann@ehs-support.com	038 Project #:									y EFGS.							Ę	K - EDTA	N - pH 4-5	
Project Name: SBA Shipyard LA Fish Tissue	41008551				1 () es				3	2		-					2	4	E - other (specify)	
Site: SBA Shipyard Superfund Site, Jennings, LA	\$SOW#:				d S				TCIM	Merc	7					-	oo jo	Other: Di - Dry Ice		
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2425 New Holland Pike Lancaster, PA 17601 Phone (717) 858-2300

Chain of Custody Record

KZZ05501,

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Environment To Gog

Sampler: Carner Tracking freest: Andrew Miano (EHS Support) Cady, John M Cilent information 410-24911-7577.1 Client Contact: State of Origin Page: Ms. Bonnie Stadelmann (215) 870-6984 John.Cady@Eurofinset.com Page 1 of 3 PWSID. Campany EHS Support, LLC Analysis Requested Due Date Requested: Address: Preservation Codes: 167 Dakview Drive M - Hexans TAT Requested (days): B - NaOH N - None 15 Days New Lenox 1630 Methyl Mercury (EFGS-Seathe SUBCONTRACT) C - Zri Acetete O - AsNaO2 HOLD HOMOGENZED SAMPLE (SEE CONTRACT) P - Na2O48 State, Zio: D - Nitrie Acid IL. 60451 Compilance Project: A Yes A No E - NaHSO4 Q - Na2503 F - MaQH R - NA25203 Phone: G - Amphior 6 - H25C4 PRP_C01860 312-914-7034 (Tel) M - Ascorbic Acid T - TSP Dodecahydrate WO # U - Acetone 038 J - Di Water V-MCAA bonnie.stadelmann@ehs-support.com K EDTA W - pH 4-5 Project Name: roject #: L - EDA Z - other (specify) SBA Shipvard LA Fish Tissue 41006551 SSOW Other: Di - Dry Ice SBA Shipyard Superfund Site, Jennings, LA Matrix Sample Type 8-salki, Sample {C≃comp, Sample identification Sample Date Time G=grab) Special instructions/Note: Preservation Code; DI DI DI DI Di DI Process fish fillet (both sides, no skin, all fish provided in sample) -4 +553 16/20/21 X х DUP-BFT-0001 Tissue X Х 100 X MS-BFT-0001 Tissue Х Х Х Х X Process fish fillet (both sides, no skin, all fish MSD-BFT-0001 Tissue Х Х Х Х Х Х provided in sample) - 4 F, Sh Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Possible Hazard Identification radiological Polson B Return To Client Disposal By Lab Non-Hazard Iammable and Irritant Lonknown Archive For Months Special instructions/QC Requirements: Deliverable Requested: Level II Deliverable Empty Kit Relinquished by: Date: Velhod of Shipment Time: Date/Time: Company Company Received by: Relinquished by: 062221 EHS Support Company Relinquished by: Company Received by Date/Time: Reimquished by: Company tecalyed by coper Temperature(s) *C and Other | Remarks Custody Seals Intact: Custody Seal No. A Yes A No Page 13 of 42 Hause VENINGUISLA by Excly Bu 5/17/22 1437 ENE

2425 New Holland Pike Lancaster, PA 17801

Chain of Custody Record

KZ10550

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ant Contact: 3. Bonnie Stadelmann	Phone: (215) 870-6984			w.a	u. n.Cady	y ⊚ Eu	rofins	el.co	m				Usia of A	Origin:				Page 1 of 3	
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neil: onnie.stadelmann@ehs-support.com	WO#: 038				2				a the	SSEE	E (SE							J - Di Water V -	Acatone MCAA
olaci Name	Project #: 41008551				78				Bercuy (EFGS-Seathe SUBCONTRACT)	MY (EFGS Seathe SUBCONTRACT)	AMP		l	ŀ			er of containers		- pH 4-5 other (specify)
BA Shipyard LA Fish Tissue	SSOW#:) eddme				<u>5</u>	5	e e						8	Other: Di - Dry Ice	
BA Shipyard Superfund Site, Jennings, LA					-S				Sertic	*	SENE								
sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (virusus, eneglis, Ornestatos, Etrissus, Andr	Field Filters	AZTOD SIR PAH	% Moistare	% Cipids	1630 Methy!	1631 LOW LA	HOLD HOMOGENIZED SAMPLE (SEE CONTRACT)						Total Numb	Special instra	uctions/Note:
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Possible Hazard Identification Non-Hazard immable immable immable	Poison a Conkno	wn 🗔	diological]3			pose n To I			ney			By L			Arci	hive For6	Months
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Cooler Receipt and Preservation Form Service Request K22 Unloaded: 5/18/22 Received: <u>5/18/2</u>2 USPS 1. Samples were received via? Fed Ex UPS DHL PDX Courier Hand Delivered Samples were received in: (circle) Cooler Envèlope Other Box NA 3. Were custody seals on coolers? NA N. If yes, how many and where? _ If present, were custody seals intact? Y If present, were they signed and dated? N N Out of temp Notified IR Gun Cooler #/COC ID/NA Temp Blank Sample Temp indicate with "X" If out of temp Tracking Number NA Filed 4. Was a Temperature Blank present in cooler? NA) N If yes, notate the temperature in the appropriate column above: If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp"; 5. Were samples received within the method specified temperature ranges? N If no, were they received on ice and same day as collected? If not, notate the cooler # below and notify the PM. If applicable, tissue samples were received: (Frozen Partially Thawed Thawed 6. Packing material: Inserts Baggies Bubble Wrap Gel Packs Wet Ice Dry Ice Sleeves 7. Were custody papers properly filled out (ink, signed, etc.)? NA N Were samples received in good condition (unbroken) N Were all sample labels complete (ie, analysis, preservation, etc.)? N NA 10. Did all sample labels and tags agree with custody papers? NA N 11. Were appropriate bottles/containers and volumes received for the tests indicated? NA N 12. Were the pH-preserved bottles (see SMO GEN SOP) received at the appropriate pH? Indicate in the table below NA N 13. Were VOA vials received without headspace? Indicate in the table below. NA Y N 14. Was C12/Res negative? NA[°] N 15. Were 100ml sterile microbiology bottles filled exactly to the 100ml mark? NA. N Under filled Overfilled Sample ID on Bottle Sample ID on COC Identified by: **Bottle Count** Head-Volume Reagent Lot Sample ID **Bottle Type** space Broke added pH Reagent Number initials Time -6-BF182 ZAC-6-BF107 1/13/22 "DUR-BFT-000 (MS-BFT-0001, MSD-BFT-0001") UNACCOPAGE Page 15 of 42



Miscellaneous Forms

ALS Environmental—Kelso Laboratory 1317 South 13th Avenue, Kelso, WA 98626 Phone (360) 577-7222 Fax (360) 425-9096 www.alsglobal.com

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated value.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
 DOD-QSM 4.2 definition: Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.
- H The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

- # The control limit criteria is not applicable.
- J The result is an estimated value.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. DOD-QSM 4.2 definition: Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.
- Q See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimated value.
- J The result is an estimated value.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
 DOD-QSM 4.2 definition: Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEH	http://dec.alaska.gov/eh/lab/cs/csapproval.htm	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2795
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L16-58-R4
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Hawaii DOH	http://health.hawaii.gov/	-
ISO 17025	http://www.pjlabs.com/	L16-57
Louisiana DEQ	http://www.deq.louisiana.gov/page/la-lab-accreditation	03016
Maine DHS	http://www.maine.gov/dhhs/	WA01276
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-457
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA01276
New Jersey DEP	http://www.nj.gov/dep/enforcement/oqa.html	WA005
New York - DOH	https://www.wadsworth.org/regulatory/elap	12060
	https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-	
North Carolina DEQ	certification	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA100010
South Carolina DHEC	http://www.scdhec.gov/environment/EnvironmentalLabCertification/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704427
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C544
Wyoming (EPA Region 8)	https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water-	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.

Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

Acronyms

ASTM American Society for Testing and Materials

A2LA American Association for Laboratory Accreditation

CARB California Air Resources Board

CAS Number Chemical Abstract Service registry Number

CFC Chlorofluorocarbon
CFU Colony-Forming Unit

DEC Department of Environmental Conservation

DEQ Department of Environmental Quality

DHS Department of Health Services

DOE Department of Ecology
DOH Department of Health

EPA U. S. Environmental Protection Agency

ELAP Environmental Laboratory Accreditation Program

GC Gas Chromatography

GC/MS Gas Chromatography/Mass Spectrometry

LOD Limit of Detection
LOQ Limit of Quantitation

LUFT Leaking Underground Fuel Tank

M Modified

MCL Maximum Contaminant Level is the highest permissible concentration of a substance

allowed in drinking water as established by the USEPA.

MDL Method Detection Limit
MPN Most Probable Number
MRL Method Reporting Limit

NA Not Applicable
NC Not Calculated

NCASI National Council of the Paper Industry for Air and Stream Improvement

ND Not Detected

NIOSH National Institute for Occupational Safety and Health

PQL Practical Quantitation Limit

RCRA Resource Conservation and Recovery Act

SIM Selected Ion Monitoring

TPH Total Petroleum Hydrocarbons

tr Trace level is the concentration of an analyte that is less than the PQL but greater than or

equal to the MDL.

Analyst Summary report

Client: EHS Support LLC

Project: SBA Shipyard, LA/41006551 Service Request: K2205501

Sample Name: IAC-7-PFT03 Lab Code: K2205501-001

Animal Tissue **Sample Matrix:**

Date Collected: 06/19/21

Date Received: 05/18/22

Analysis Method

ALS SOP Frz Dry

Extracted/Digested By

GTRIGG

Analyzed By

BBRIGHT CLUKKEN

Sample Name: IAC-7-PFT03

Lab Code: K2205501-001.R01 Sample Matrix: Animal Tissue

Date Collected: 06/19/21

Date Received: 05/18/22

Analysis Method

ALS SOP

Extracted/Digested By

GTRIGG

Analyzed By

BBRIGHT

IAC-7-BFT03 **Sample Name:** Lab Code:

Sample Matrix:

K2205501-002 Animal Tissue

Date Collected: 06/19/21 **Date Received:** 05/18/22

Analysis Method

ALS SOP Frz Dry

Extracted/Digested By

GTRIGG

Analyzed By

BBRIGHT CLUKKEN

Sample Name:

IAC-7-BFT03 K2205501-002.R01

Lab Code: Sample Matrix:

Animal Tissue

Date Collected: 06/19/21

Date Received: 05/18/22

Analysis Method

ALS SOP

Extracted/Digested By

GTRIGG

Analyzed By

BBRIGHT

Analyst Summary report

Client: EHS Support LLC

Project: SBA Shipyard, LA/41006551

Service Request: K2205501

Sample Name: MRBKGD-UP-PFT06

Lab Code: K2205501-003 **Sample Matrix:** Animal Tissue

Date Collected: 06/18/21 **Date Received:** 05/18/22

Analysis Method

ALS SOP Frz Dry Extracted/Digested By

GTRIGG

Analyzed By

BBRIGHT CLUKKEN

Sample Name: MRBKGD-UP-PFT06 Lab Code: K2205501-003.R01

Sample Matrix: Animal Tissue

Date Collected: 06/18/21 **Date Received:** 05/18/22

Analysis Method

ALS SOP

Extracted/Digested By

GTRIGG

Analyzed By

BBRIGHT

Sample Name: MRBKGD-UP-BFT06

Lab Code: Sample Matrix: K2205501-004 Animal Tissue **Date Collected:** 06/20/21 **Date Received:** 05/18/22

Analysis Method

ALS SOP Frz Dry Extracted/Digested By

GTRIGG

Analyzed By

BBRIGHT CLUKKEN

Sample Name:

Sample Matrix:

Lab Code:

MRBKGD-UP-BFT06 K2205501-004.R01 Animal Tissue **Date Collected:** 06/20/21

Date Received: 05/18/22

Analysis Method

ALS SOP

Extracted/Digested By

GTRIGG

Analyzed By

BBRIGHT



Sample Results

ALS Environmental—Kelso Laboratory 1317 South 13th Avenue, Kelso, WA 98626 Phone (360) 577-7222 Fax (360) 425-9096 www.alsglobal.com



Semivolatile Organic Compounds by GC

ALS Environmental—Kelso Laboratory 1317 South 13th Avenue, Kelso, WA 98626 Phone (360) 577-7222 Fax (360) 425-9096 www.alsglobal.com

Analytical Report

Client: EHS Support LLC

Project: SBA Shipyard, LA/41006551

Animal Tissue

Service Request: K2205501

Date Collected: 06/19/21 10:30

Date Received: 05/18/22 09:50

IAC-7-PFT03 K2205501-001 Units: ug/Kg
Basis: Wet

Butyltins

Analysis Method: ALS SOP

Sample Matrix:

Sample Name:

Lab Code:

Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
n-Butyltin Cation	0.34 ј	0.93	0.18	1	06/03/22 14:22	5/26/22	
Di-n-butyltin Cation	ND U	0.93	0.11	1	06/03/22 14:22	5/26/22	*
Tri-n-butyltin Cation	ND U	0.93	0.11	1	06/03/22 14:22	5/26/22	*

Surrogate Name% RecControl LimitsDate AnalyzedQTri-n-propyltin4423 - 14506/03/22 14:22

Analytical Report

Client: EHS Support LLC

Project: SBA Shipyard, LA/41006551

Sample Matrix: Animal Tissue

Service Request: K2205501

Date Collected: 06/19/21 10:00

Date Received: 05/18/22 09:50

Butyltins

Analysis Method: ALS SOP **Prep Method:** Method

Sample Name:

Lab Code:

Analyte Name Result **MRL MDL** Dil. **Date Analyzed Date Extracted** Q 0.96 0.18 06/03/22 13:33 5/26/22 0.26 J n-Butyltin Cation 0.96 0.11 06/03/22 13:33 5/26/22 ND U 1 Di-n-butyltin Cation 1 5/26/22 ND U 0.96 0.11 06/03/22 13:33 Tri-n-butyltin Cation

Surrogate Name% RecControl LimitsDate AnalyzedQTri-n-propyltin5423 - 14506/03/22 13:33

Analytical Report

Client: EHS Support LLC

Project: SBA Shipyard, LA/41006551

Sample Matrix: Animal Tissue

Service Request: K2205501

Date Collected: 06/18/21 12:00

Date Received: 05/18/22 09:50

Sample Name: MRBKGD-UP-PFT06

Lab Code: K2205501-003

Units: ug/Kg

Basis: Wet

Butyltins

Analysis Method: ALS SOP

Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
n-Butyltin Cation	ND U	0.97	0.18	1	06/03/22 13:49	5/26/22	
Di-n-butyltin Cation	ND U	0.97	0.11	1	06/03/22 13:49	5/26/22	*
Tri-n-butyltin Cation	ND U	0.97	0.11	1	06/03/22 13:49	5/26/22	*

Surrogate Name% RecControl LimitsDate AnalyzedQTri-n-propyltin3923 - 14506/03/22 13:49

Analytical Report

Client: EHS Support LLC

SBA Shipyard, LA/41006551

Animal Tissue **Sample Matrix:**

Date Collected: 06/20/21 11:30

Service Request: K2205501

Date Received: 05/18/22 09:50

Sample Name: MRBKGD-UP-BFT06

Lab Code: K2205501-004 Units: ug/Kg

Basis: Wet

Butyltins

Analysis Method: ALS SOP

Project:

Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
n-Butyltin Cation	ND U	0.98	0.18	1	06/03/22 14:06	5/26/22	
Di-n-butyltin Cation	ND U	0.98	0.11	1	06/03/22 14:06	5/26/22	*
Tri-n-butyltin Cation	ND U	0.98	0.11	1	06/03/22 14:06	5/26/22	*

Surrogate Name % Rec **Date Analyzed** 06/03/22 14:06 Q **Control Limits** 41 23 - 145 Tri-n-propyltin



Metals

ALS Environmental—Kelso Laboratory 1317 South 13th Avenue, Kelso, WA 98626 Phone (360) 577-7222 Fax (360) 425-9096 www.alsglobal.com

Analytical Report

Client: EHS Support LLC

Project: SBA Shipyard, LA/41006551 **Date Collected:** 06/19/21 10:30

Sample Matrix: Animal Tissue Date Received: 05/18/22 09:50

Sample Name: IAC-7-PFT03 Basis: Wet

Lab Code: K2205501-001

Inorganic Parameters

Analysis
Analyte Name Method Result Units MRL MDL Dil. Date Analyzed Q
Total Solids Freeze Dry 22.1 Percent - - 1 05/24/22 15:31

Analytical Report

Client: EHS Support LLC

Project: SBA Shipyard, LA/41006551 **Date Collected:** 06/19/21 10:00

Sample Matrix: Animal Tissue Date Received: 05/18/22 09:50

Sample Name: IAC-7-BFT03 Basis: Wet

Lab Code: K2205501-002

Inorganic Parameters

Analysis
Analyte Name Method Result Units MRL MDL Dil. Date Analyzed Q
Total Solids Freeze Dry 20.6 Percent - - 1 05/24/22 15:31

Analytical Report

Client: EHS Support LLC

Project: SBA Shipyard, LA/41006551 **Date Collected:** 06/18/21 12:00

Sample Matrix: Animal Tissue Date Received: 05/18/22 09:50

Sample Name: MRBKGD-UP-PFT06 Basis: Wet

Lab Code: K2205501-003

Inorganic Parameters

Analysis
Analyte Name Method Result Units MRL MDL Dil. Date Analyzed Q
Total Solids Freeze Dry 20.7 Percent - - 1 05/24/22 15:31

Analytical Report

Client: EHS Support LLC

Project: SBA Shipyard, LA/41006551 **Date Collected:** 06/20/21 11:30

Sample Matrix: Animal Tissue Date Received: 05/18/22 09:50

Sample Name: MRBKGD-UP-BFT06 Basis: Wet

Lab Code: K2205501-004

Inorganic Parameters

Analysis
Analyte Name Method Result Units MRL MDL Dil. Date Analyzed Q
Total Solids Freeze Dry 20.4 Percent - - 1 05/24/22 15:31



QC Summary Forms

ALS Environmental—Kelso Laboratory 1317 South 13th Avenue, Kelso, WA 98626 Phone (360) 577-7222 Fax (360) 425-9096 www.alsglobal.com



Semivolatile Organic Compounds by GC

ALS Environmental—Kelso Laboratory 1317 South 13th Avenue, Kelso, WA 98626 Phone (360) 577-7222 Fax (360) 425-9096 www.alsglobal.com

QA/QC Report

Client: EHS Support LLC Service Request: K2205501

Project: SBA Shipyard, LA/41006551

Sample Matrix: Animal Tissue

SURROGATE RECOVERY SUMMARY

Butyltins

Analysis Method: ALS SOP **Extraction Method:** Method

		Tri-n-propyltin	
Sample Name	Lab Code	23-145	
IAC-7-PFT03	K2205501-001	44	
IAC-7-BFT03	K2205501-002	54	
MRBKGD-UP-PFT06	K2205501-003	39	
MRBKGD-UP-BFT06	K2205501-004	41	
Method Blank	KQ2208741-04	49	
Lab Control Sample	KQ2208741-03	31	

Analytical Report

Client: EHS Support LLC

Service Request: K2205501

Project: SBA Shipyard, LA/41006551

Date Collected: NA

Sample Matrix: Animal Tissue

Date Received: NA

Sample Name: Method Blank Lab Code: KQ2208741-04

Units: ug/Kg
Basis: Wet

Butyltins

Analysis Method:

ALS SOP

Prep Method:

Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
n-Butyltin Cation	ND U	0.93	0.18	1	06/03/22 12:43	5/26/22	
Di-n-butyltin Cation	ND U	0.93	0.11	1	06/03/22 12:43	5/26/22	
Tri-n-butyltin Cation	ND U	0.93	0.11	1	06/03/22 12:43	5/26/22	

Surrogate Name% RecControl LimitsDate AnalyzedQTri-n-propyltin4923 - 14506/03/22 12:43

QA/QC Report

Client: EHS Support LLC

Project: SBA Shipyard, LA/41006551

Sample Matrix: Animal Tissue

Service Request: Date Analyzed:

K2205501 06/03/22

Date Extracted:

05/26/22

Lab Control Sample Summary

Butyltins

Analysis Method: ALS SOP

Prep Method: Method

Units:

ug/Kg

Basis:

Wet

Analysis Lot:

766491

Lab Control Sample KQ2208741-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Di-n-butyltin Cation	12.4	38.3	32	27-141
n-Butyltin Cation	11.9	31.2	38	10-152
Tri-n-butyltin Cation	15.5	44.6	35	25-124

Confirmation Results

Client: EHS Support LLC

Project: SBA Shipyard, LA/41006551

SRM Matrix: Animal Tissue

Sample Name: IAC-7-PFT03

Lab Code: K2205501-001

Service Request: K2205501

Date Collected: 06/19/21 10:30 **Date Received:** 5/18/22

Units: ug/Kg

Basis: Wet

Butyltins

Analytical Method: ALS SOP **Prep Method:** Method

	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
n-Butyltin Cation	0.18	0.34	0.43	23	J	1	06/03/22 14:22

Confirmation Results

Client: EHS Support LLC

Project: SBA Shipyard, LA/41006551

SRM Matrix:

Animal Tissue

Sample Name:

IAC-7-BFT03

Lab Code:

K2205501-002

Service Request: K2205501

Date Collected: 06/19/21 10:00

Date Received: 5/18/22

Units: ug/Kg

Basis: Wet

Butyltins

Analytical Method: ALS SOP Prep Method: Method

		Primary	Confirmation			Dilution	
	MDL	Result	Result	RPD	Q	Factor	Date Analyzed
n-Butyltin Cation	0.18	0.26	0.33	24	J	1	06/03/22 13:33

Confirmation Results

Client: EHS Support LLC

Project: SBA Shipyard, LA/41006551

SRM Matrix: Animal Tissue

Sample Name: Lab Control Sample

Lab Code: KQ2208741-03

Units: ug/Kg Basis: Wet

Service Request: K2205501

Date Collected: NA

Date Received:

Butyltins

Analytical Method: ALS SOP Prep Method: Method

		Primary	Confirmation			Dilution	
	MDL	Result	Result	RPD	Q	Factor	Date Analyzed
Di-n-butyltin Cation	0.11	12.4	18.5	39		1	06/03/22 13:00
Tri-n-butyltin Cation	0.11	15.5	21.9	34		1	06/03/22 13:00
n-Butyltin Cation	0.18	11.9	16.0	29		1	06/03/22 13:00



Metals

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ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: EHS Support LLC Service Request: K2205501

Project SBA Shipyard, LA/41006551 Date Collected: 06/19/21

Sample Matrix: Animal Tissue Date Received: 05/18/22

Date Analyzed: 05/24/22

Replicate Sample Summary

Inorganic Parameters

Sample Name: IAC-7-PFT03 Units: Percent

Lab Code: K2205501-001 **Basis:** Wet

Duplicate Sample

K2205501-Analysis Sample 001DUP

Analyte NameMethodMRLMDLResultResultAverageRPDRPD LimitTotal SolidsFreeze Dry--22.121.922.0<1</td>20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Michael Torres SBA Shipyard Superfund Site - 2021 Fish Tissue Sampling Results July 26, 2022



Attachment B Data Validation Reports

Michael Torres SBA Shipyard Superfund Site - 2021 Fish Tissue Sampling Results July 26, 2022



EHS Validation Report Number: 415

EHS Validation Report Number: 415 SBA Shipyard Site Jennings, Louisiana

Analyses performed by ALS Environmental, Kelso, Washington Sample Delivery Group (SDG): K2205501 Analyses: Butyltin Review Level: Tier II



Report Date: June 13, 2022



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EHS Validation Report Number: 415 – SBA Shipyard Site Table of Contents



Sample Summary

Fish tissue samples were collected at the SBA Shipyard Site in Jennings, Louisiana and were analyzed by ALS Environmental in Kelso, Washington. The analytical method used was SOC-BUTYL Rev 17.0, the laboratory's in-house method for analysis of butyltin compounds using a gas chromatograph with flame photometric detector. Samples included in this sample delivery group (SDG), and in this data validation report, are listed in the following table.

SDG	Lab Sample ID	Field Sample ID	Sample Matrix	Sample Collection Date	Butyltin Analysis
K2205501	K2205501-001	IAC-7-PFT03	Tissue	6/19/2021	Х
K2205501	K2205501-002	IAC-7-BFT03	Tissue	6/19/2021	X
K2205501	K2205501-003	MRBKGD-UP-PFT06	Tissue	6/18/2021	Х
K2205501	K2205501-004	MRBKGD-UP-BFT06	Tissue	6/20/2021	X

SDG Sample delivery group



1 Data Review Summary

1.1 Guidelines and Qualifiers

Data were reviewed in accordance with the United States Environmental Protection Agency (USEPA) Contract Laboratory Program National Functional Guidelines (Organic, January 2017), laboratory analytical methods, and professional judgment. Relevant USEPA Region 2 Data Validation Standard Operating Procedures (SOPs) are referenced as needed. It is expected that the laboratory conducted sufficient quality review of the data prior to reporting. While quality control (QC) is meant to increase confidence in analytical data, it is important to note that no compound concentration is guaranteed to be accurate, even if all QC criteria are met.

Data validation includes a review of reported results and supporting documentation in the laboratory report. Based on this evaluation, qualifiers may be added, deleted, or modified. Results are qualified with the following codes in accordance with the USEPA National Functional Guidelines:

Qualifier Code	Definition
U	The analyte was included in the analysis but was not detected above the reported quantitation limit, or the result is considered non-detect as a consequence of associated blank contamination.
UJ	The analyte was included in the analysis but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

QC Quality control

1.2 Sample Custody and Receipt

Samples were received in good condition and properly preserved. It is assumed that custody was maintained and that the gaps between the relinquishing date/time and the receiving date/time correspond to the time samples were in the custody of a commercial shipper.

The lab report included notes of discrepancies between sample IDs on containers and those on the chain. Administrative issues, such as these, do not impact the quality of reported results.

1.3 Assessment Summary and Data Usability

In this SDG, no QC excursions encountered led to qualification or rejection of data. Results reported in this SDG are considered usable. Refer to the following sections for specific QC information.



2 Semi-volatile Organic Compound (SVOC) Analysis

2.1 Preservation and Holding Times

Acceptance criteria were met. Relevant preservation and holding time requirements are presented in the following table.

Method	Matrix	Preservation	Holding Time
ALS Kelso in-house method	Tissue	Frozen	1 year from collection to extraction,
SOC-BUTYL, Rev 17.0			40 days from extraction to analysis

[°]C Degrees Celsius

2.2 Blanks

Blanks are analyzed to identify contamination that may have been introduced into samples. There are several types of blanks that undergo different portions of the process undergone by field samples. In short, blanks are containers of analyte-free water (and, in some cases, analyte-free or 'clean' sand when associated samples are solids). The following are some common types of blanks:

- Laboratory method blanks indicate contamination introduced during sample preparation and/or analysis from sources such as reagents, glassware, equipment, sample handling, and ambient laboratory conditions.
- Equipment blanks indicate the effectiveness of the field decontamination procedures as well as contamination from new sampling equipment. They also identify contamination introduced from bottleware and ambient conditions.

Acceptance criteria were met. Method blank results were non-detect.

2.3 Surrogates

Surrogates are chemicals that are similar to target compounds in chemical composition, extraction, and chromatography but are not expected to be present in samples. Each field sample and QC sample is spiked with a known concentration of the appropriate surrogate compound(s) before sample preparation and analysis. Surrogates are incorporated into samples, and their recoveries are shown to predict experimental recoveries of target analytes. Surrogates are used to monitor performance of the preparation and analysis process, particularly extraction efficiency and possible matrix interference, on a sample-specific basis.

Acceptance criteria were met; surrogate recoveries were within control limits.

2.4 Laboratory Control Sample (LCS) Analysis

A laboratory control sample (LCS) is prepared when known concentrations of target analytes are spiked into an aliquot of analyte-free material (deionized water or 'clean' sand). The LCS undergoes the same preparation and analytical procedure as field samples do. It is analyzed to determine, without sample matrix, whether the overall procedure is working within control limits. The recoveries of the spiked analytes are evaluated to determine accuracy.

EHS Validation Report Number: 415 – SBA Shipyard Site Semi-volatile Organic Compound (SVOC) Analysis



Acceptance criteria were met; reported percent recovery values were within control limits.

2.5 Matrix Spike/ Matrix Spike Duplicate (MS/MSD) Analysis

A matrix spike (MS) is prepared when known concentrations of target analytes are spiked into an aliquot of a field sample. The MS undergoes the same preparation and analytical procedure as normal (unspiked) field samples. It is analyzed to evaluate the effects of interferences caused by the sample matrix. Poor spike recoveries could indicate matrix interference issues.

A matrix spike duplicate (MSD) is an additional replicate of the matrix spike, i.e., a separate aliquot of sample into which the same concentrations of analytes are spiked. The MS and MSD undergo the same preparation and analytical testing as the original sample. Recoveries of analytes from matrix spiked samples and from matrix spiked duplicates are evaluated to assess accuracy and bias. The RPD between the MS result and the MSD result is evaluated to assess precision.

Not applicable; no matrix spike analysis performed on a sample in this data set was reported.

2.6 Compound Identification

Acceptable; no issues to report.

2.7 Field Duplicates

Not applicable; this data set does not include any field duplicate samples.

2.8 Additional Notes

The laboratory report narrative includes a note saying "Method ALS SOP, 06/03/2022:The upper control criterion was exceeded for Di-n-butyltin and Tri-n-butyltin in Continuing Calibration Verification (CCV) KQ2209620-01 and-03. The field samples analyzed in this sequence did not contain the analytes in question above the MRL. Since the apparent problem indicated a potential high bias, the data quality was not affected." Results for di-n-butyltin and tri-n-butyltin were all not-detect and therefore did not need to be qualified as a consequence of the high recoveries in an associated CCV sample.

Validation performed by:

Amy Coats

EHS Support LLC

Michael Torres SBA Shipyard Superfund Site - 2021 Fish Tissue Sampling Results July 26, 2022



EHS Validation Report Number: 381

EHS Validation Report Number: 381 SBA Shipyard Site Jennings, Louisiana

Analyses performed by Eurofins Lancaster Laboratories Environmental Lancaster, Pennsylvania and Eurofins Frontier Global Sciences Tacoma, Washington

Sample Delivery Group (SDG): 410-44718 Analyses: SVOC, Metals

Review Level: Tier II



Report Date: October 27, 2021



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Sample Summary

Tissue (fish and crawfish) samples were collected at the SBA Shipyard Site in Jennings, Louisiana and were analyzed by Environmental Protection Agency (EPA) Methods 1630 for methylmercury and 1631B for mercury, and by EPA SW-846 Method 8270E SIM for semi-volatile organic compounds. Samples included in this sample delivery group (SDG), and in this data validation report, are listed in the following table.

SDG	Lab Sample ID	Field Sample ID	Sample	Sample	Analysis	
			Matrix	Collection Date	Metals	svoc
410-44718	410-44718-1	MRBKGD-DN-BFT01	Tissue	6/18/2021	Х	Х
410-44718	410-44718-2	MRBKGD-DN-CRA01	Tissue	6/20/2021	Х	Х
410-44718	410-44718-3	IAI-6-BFT05	Tissue	6/18/2021	Х	X
410-44718	410-44718-4	IAI-6-CRA08	Tissue	6/20/2021	Х	X
410-44718	410-44718-5	IAC-7-PFT03	Tissue	6/19/2021	Х	X
410-44718	410-44718-6	IAC-7-BFT03	Tissue	6/19/2021	Х	X
410-44718	410-44718-8	MRBKGD-UP-PFT06	Tissue	6/18/2021	Х	X
410-44718	410-44718-9	MRBKGD-UP-BFT06	Tissue	6/20/2021	Х	X
410-44718	410-44718-10	MRBKGD-UP-CRA09	Tissue	6/20/2021	Х	X
410-44718	410-44718-11	IAI-7-BFT04	Tissue	6/18/2021	Х	X
410-44718	410-44718-12	IAI-7-CRA07	Tissue	6/22/2021	Х	X
410-44718	410-44718-13	IAI-1-CRA02	Tissue	6/22/2021	X	X
410-44718	410-44718-14	IAC-5-CRA03	Tissue	6/21/2021	X	X
410-44718	410-44718-15	IAI-8-CRA04	Tissue	5/19/2021	Х	Х
410-44718	410-44718-16	IAC-6-BFT02DUP	Tissue	6/20/2021	Х	Х
410-44718	410-44718-17	IAC-6-BFT02	Tissue	6/20/2021	Х	Х
410-44718	410-44718-18	IAC-6-CRA05	Tissue	6/22/2021	Х	Х

SDG Sample delivery group

SVOC Semi-volatile organic compounds

EHS Validation Report Number: 381 – SBA Shipyard Site Data Review Summary



1 Data Review Summary

1.1 Guidelines and Qualifiers

Data were reviewed in accordance with the United States Environmental Protection Agency (USEPA) Contract Laboratory Program National Functional Guidelines (Organic and Inorganic, January 2017), laboratory analytical methods, and professional judgment. Relevant USEPA Region 2 Data Validation Standard Operating Procedures (SOPs) were referenced as needed. It is expected that the laboratory conducted sufficient quality review of the data prior to reporting. While quality control (QC) is meant to increase confidence in analytical data, it is important to note that no compound concentration is guaranteed to be accurate, even if all QC criteria are met.

Data validation includes a review of reported results and supporting documentation in the laboratory report. Based on this evaluation, qualifiers may be added, deleted, or modified. Results are qualified with the following codes in accordance with the USEPA National Functional Guidelines:

Qualifier Code	Definition
U	The analyte was included in the analysis but was not detected above the reported quantitation limit, or the result is considered non-detect as a consequence of associated blank contamination.
UJ	The analyte was included in the analysis but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

QC Quality control

1.2 Sample Custody and Receipt

Samples were received in good condition and properly preserved. It is assumed that custody was maintained. Except for the following two administrative issues, the chains of custody were completed correctly:

- In the custody transfer sections, signatures/dates/times are missing and/or the date/time associated with a relinquishing action is not a perfect match for the associated receipt.
- The lab report included notes of discrepancies between sample IDs on containers and those on the chain: "The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC): DUP BFT-0001, MS-BFT-001 and MSD-BFT-001 were listed on the COC along with the MS/MSD marked for sample IAC-6-BFT02. The container was labeled DUP-BFT-001, MS-BFT-001, MSD-BFT-001 and the IAC-6-BFT02 sample labels. The MS/MSD were assigned to IAC-6-BFT02. MS-BFT-001 and MSD-BFT-001 was not logged in. DUP BFT-0001 was renamed IAC-6-BFT02 DUP."

EHS Validation Report Number: 381 – SBA Shipyard Site Data Review Summary



1.3 Assessment Summary and Data Usability

In this SDG, no QC excursions encountered led to rejection of data. Results reported in this SDG are considered usable. Refer to the following sections for specific QC variances and data qualification.



2 Semi-volatile Organic Compound (SVOC) Analysis

2.1 Preservation and Holding Times

Acceptance criteria were met. Relevant preservation and holding time requirements are presented in the following table. following table.

Method	Matrix	Preservation	Holding Time
SW-846 Method 8270/ 8270 SIM	Tissue (fish and crawfish)	Frozen	1 year

[°]C Degrees Celsius

2.2 Blanks

Acceptance criteria were met. Method blank results were non-detect.

2.3 Surrogates

No results were qualified on the basis of surrogate recoveries. Surrogate recoveries outside acceptance limits are reported in the laboratory data. However, all samples associated with these apparently non-compliant surrogate recoveries were analyzed at 10-fold dilutions. According to correspondence with laboratory staff, surrogates are considered 'diluted out' of 10-fold dilutions. Therefore, no qualification of these sample results is needed.

2.4 Laboratory Control Sample (LCS)

Acceptance criteria were met.

2.5 Matrix Spike/ Matrix Spike Duplicate (MS/MSD) Analysis

No results were qualified on the basis of matrix spike results. Matrix spike recoveries and/or relative percent difference (RPD) outside acceptance limits are reported in the laboratory data. However, the MS/MSD analysis was performed on sample 410-44718-17, which was analyzed at a 10x dilution. This validation was performed using a Level II laboratory package, which does not include specifics about spike concentrations or calibrated ranges. Correspondence with the laboratory staff yielded supplemental information that the spikes in the MS and MSD were diluted out to a level below the limits of quantitation. Therefore, the results of this MS/MSD analysis cannot be evaluated.

2.6 Compound Identification

Acceptable; no issues to report.

2.7 Field Duplicates

Acceptance criteria, shown in the table below, were met. One parent sample - field duplicate pair was submitted in this SDG. Parent and duplicate results for 8270 analysis were non-detect.



Parent sample – field duplicate sample acceptable relationships

Sample and its field duplicate ≥ 5x the RL and

- o RPD \leq 30% (aqueous) or -
- o RPD ≤ 50% (soil/ sediment)

Sample and/or its field duplicate < 5x the RL and

- o absolute difference ≤ 2x the RL (aqueous) or-
- o absolute difference ≤ 3x the RL (soil/ sediment)

Note 1 See Section 1 for qualifier definitions.

RPD Relative Percent difference

RL Reporting limit

2.8 Additional Notes

Samples in this data set exhibited percent solids values ranging from 18.6 to 22.2. This did not lead to sample result qualification because results were reported on a wet weight basis. Also, the samples were processed in such a way that, after processing, they would have consisted of whole tissues/organs. For fish, processed samples were skin-off filets and for crawfish, samples were processed in accordance with the directions in SOP-68 "Crawfish Sampling."

Percent solids analysis was performed outside the technical holding time. Percent solids values have consequently been qualified as estimated. Target analyte sample results were reported on a wet weight basis, so the percent solids values do not impact reported results for target analytes.

Pyrene, chrysene, and benzo[a]anthracene results for sample 410-44718-15 bear the laboratory flag *3, whose definition is "ISTD response or retention time outside acceptable limits." These results have been qualified as estimated.

Metals Analysis



3 Metals Analysis

3.1 Preservation and Holding Times

Acceptance criteria were met. Relevant preservation and holding time requirements are presented in the following table.

Method	Matrix	Preservation	Holding Time	
Mercury	Tissue (fish and crawfish)	Frozen	1 year	
Methylmercury	Tissue (fish and crawfish)	Frozen	1 year	

3.2 Blanks

Blank acceptance criteria were met with the following exceptions.

Analyte	Blank Detection	Blank Result (Category)	Associated Samples	Sample Result	Qualification (Note 1)
Mercury	0.667, 0.128, 0.410 ng/g Batch F107399	≥ MDL but ≤ RL	410-44718-10 (1G00038-09)	> RL and > 5x the blank result	No qualification needed
Mercury	0.658, 0.103, 1.737 ng/g Batch F108391	> RL (BLK3)	All samples in this SDG, except 410-44718-10 (1G00038-09) and 410-44718-15 (1G00038-13)	> RL and > 5x the blank result	No qualification needed
			410-44718-15 (1G00038-13)	> RL and > blank concentration but < 5X blank concentration	U at the reported concentration

Note 1 See Section 1 for qualifier definitions.

ng/L Nanograms per liter
MDL Method detection limit
RL Reporting limit

3.3 Laboratory Control Sample/ Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

Acceptance criteria were met.

3.4 Laboratory Duplicate Analysis

Laboratory duplicate analysis was performed on sample 410-44718-16 (Frontier ID 1G00038-14) for methylmercury. The relative percent difference between parent and duplicate results was outside acceptance criteria and is shown in the following table.

Metals Analysis



Sample	Analyte	Parent Sample Result	Laboratory Duplicate Result	RPD
410-44718-16	Methylmercury	54.7 ng/g	105.3 ng/g	63%
(1G00038-14)				

Acceptance criteria are shown the in following table.

Acceptable RPD between parent sample and duplicate when both parent and duplicate concentrations are > 5x RL	Acceptable difference between parent and duplicate sample when either parent or sample concentration is < 5x RL
RPD ≤ 20% for waters	Aqueous: Limit for the absolute value of the difference is 1x the RL
RPD ≤ 35% for solids	Solid: Limit for the absolute value of the difference is 2x the RL

RL Reporting limit

RPD Relative percent difference

3.5 Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

Acceptance criteria were met. MS/MSD analyses were performed on samples 410-44718-18 (1G00038-16) and 410-44718-12 (1G00038-17) for methyl mercury, and samples 410-44718-17 (1G00038-15) and 410-44718-18 (1G00038-16) for mercury.

A methylmercury matrix spike analysis was also performed on sample 410-44718-17 (1G00038-15). However, this matrix spike analyses cannot be evaluated because the concentration of the relevant analyte in the unspiked parent sample is greater than 4x the spike amount.

Acceptance criteria for organometallics are not included in the National Functional Guidelines. Laboratory acceptance limits were applied during evaluation of methyl mercury. They are 65-130 for percent recovery and 35 for relative percent difference.

3.6 Field Duplicates

One parent and field duplicate sample pair was included in this SDG. The relationship between parent and duplicate mercury results was acceptable. Field duplicate analyses associated with RPD values outside control limits are listed in the following table.

Samples	Analyte	Parent Sample Result (ng/g)	Duplicate Sample Result (ng/g)	RPD
IAC-6-BFT02/	Methylmercury	229	54.7	123%
IAC-6-BFT02DUP				

ng/g Nanograms per gram
RPD Relative percent difference

As a consequence of this QC excursion, parent and duplicate sample results for the listed compounds have been qualified as estimated in accordance with the following table.

Metals Analysis



Quality Control Nonconformance	Sample Result	Sample Result Qualification (Note 1)
Sample and its field duplicate ≥ 5x the RL and	Detect	J
-RPD > 30% (aqueous) - or -		
-RPD > 50% (soil/ sediment)		
Sample and/or its field duplicate < 5x the RL and	Non-detect	UJ
-absolute difference > 2x the RL (aqueous) - or-	Detect	J
-absolute difference > 3x the RL (soil/ sediment)		

Note 1 See Section 1 for qualifier definitions.

RL Reporting limit

RPD Relative percent difference

3.7 Additional Notes

Samples were analyzed for methylmercury and for total mercury. Cases in which the relationships between results did not meet acceptance criteria are shown in the following table.

Sample ID	Methylmercury result (ng/g)	Total mercury result (ng/g)	Percent difference
410-44718-12 (IAI-7-CRA07)	50.6	27.3	59.8%
410-44718-17 (IAC-6-BFT02)	229	132	53.7%
410-44718-18 (IAC-6-CRA05)	58.2	38.1	41.7%

As a consequence of these QC exceedances, listed results have been qualified as estimated, in accordance with the following table.

Quality Control Nonconformance	Sample Result	Sample Result Qualification (Note 1)
Methyl and total mercury concentrations > RL,	Detect	J
Methylmercury concentration > total mercury concentration, and calculated %D > 10%		

Note 1 See Section 1 for qualifier definitions.

%D Percent difference

Samples in this data set exhibited percent solids values ranging from 18.6 to 22.2. This did not lead to sample result qualification because results were reported on a wet weight basis. Also, the samples were processed in such a way that, after processing, they would have consisted of whole tissues/organs. For fish, processed samples were skin-off filets and for crawfish, samples were processed in accordance with the directions in SOP-68 "Crawfish Sampling."

Metals Analysis



Percent solids analysis was performed outside the technical holding time. Percent solids values have consequently been qualified as estimated. Target analyte sample results were reported on a wet weight basis, so the percent solids values do not impact reported results for target analytes.

Amy Coats

Validation performed by: EHS Support LLC

Michael Torres SBA Shipyard Superfund Site - 2021 Fish Tissue Sampling Results July 26, 2022



Attachment C Laboratory Analytical Data Table

Attachment C Laboratory Analytical Data Table 2021 Tissue Sampling Results SBA Shipyard - Jennings, LA

	ocation			IAC-5-TI	IAC-6-TI	IAC-6-TI DUP	IAC-6-TI	IAC-7-TI	IAC-7-TI	IAI-1-TI	IAI-6-TI	IAI-6-TI	IAI-7-TI	IAI-7-TI	IAI-8-TI	MRBKGD-DN-TI	MRBKGD-DN-TI	MRBKGD-UP-TI	MRBKGD-UP-TI	MRBKGD-UP-TI
_	Matrix			TI	TF	TF	TI	TF	TF	TI	TF	TI	TF	TI	TI	TF	TI	TF	TF	TI
	Date			06/21/2021	06/20/2021	06/20/2021	06/22/2021	06/19/2021	06/19/2021	06/22/2021	06/18/2021	06/20/2021	06/18/2021	06/22/2021	05/19/2021	06/18/2021	06/20/2021	06/18/2021	06/20/2021	06/20/2021
	Sample	CAS	Unit	IAC-5-CRA03	IAC-6-BFT02	IAC-6-BFT02DUP	IAC-6-CRA05	IAC-7-BFT03	IAC-7-PFT03	IAI-1-CRA02	IAI-6-BFT05	IAI-6-CRA08	IAI-7-BFT04	IAI-7-CRA07	IAI-8-CRA04	, ,	MRBKGD-DN-CRA01		MRBKGD-UP-BFT06	MRBKGD-UP-CRA09
General Chemistry		CAS	Onit	IAC-3-CRA03	IAC-0-BF102	IAC-0-BF102D0F	IAC-0-CRA03	IAC-7-BF103	IAC-7-FF103	IAI-1-CRAUZ	IAI-O-DI-103	IAI-O-CRAOS	IAI-7-DF104	IAI-7-CRA07	IAI-6-CRA04	WINDROD-DIV-DI 101	WINDROD-DIV-CRAOI	WINDRGD-OF-FF100	WINDKOD-OF-DF100	WINDROD-OF-CRAOS
Percent Lipids		PIDPERCENT	%	2.1	0.56	0.47	3	1.3	1.9	2	0.85	3.8	1.2	4.5	1.3	3.5	2.9	2.3	1.6	3.9
Geophysical		ID I ENGLIST	,,,		0.50	5					0.05			5		5.5	2.5		2.0	5.5
Moisture, Percent		MOIST	%	78.8 J	81.4 J	80.5 J	77.8 J	80.3 J	79.5 J	79.6 J	80.4 J	78 J	80.3 J	77.8 J	81.1 J	80 J	79.3 J	78.9 J	80.4 J	78.9 J
Solids, Percent		SOLID	%	21.2 J	18.6 J	19.5 J	22.2 J	19.7 J	20.5 J	20.4 J	19.6 J	22 J	19.7 J	22.2 J	18.9 J	20 J	20.7 J	21.1 J	19.6 J	21.1 J
Metals	, I				•													•		
Mercury	7	7439-97-6	ng/g	25.5	132 J	138	38.1 J	141	198	49.8	70.9	41.5	128	27.3 J	7.05 U	258	58.2	337	161	48
Methylmercury	2	2967-92-6	ng/g	26.6	229 J	54.7 J	58.2 J	57.7	57.1	34.7	29.9	36.5	31.6	50.6 J	7.1	123	48.3	191	67	30.9
svoc		•			•															
Acenaphthene		83-32-9	μg/kg	65 U	65 U	65 U	65 U	66 U	66 U	66 U	66 U	65 U	65 U	65 U	66 U	66 U	70	66 U	65 U	65 U
Acenaphthylene		208-96-8	μg/kg	65 U	65 U	65 U	65 U	66 U	66 U	66 U	66 U	65 U	65 U	65 U	66 U	66 U	65 J	66 U	65 U	65 U
Anthracene		120-12-7	μg/kg	240	65 U	65 U	65 U	66 U	66 U	66 U	66 U	65 U	65 U	65 U	66 U	66 U	180	66 U	65 U	65 U
Benzo[a]anthracen	ie	56-55-3	μg/kg	65 U	65 U	65 U	65 U	66 U	66 U	66 U	66 U	65 U	65 U	65 U	66 UJ	66 U	240	66 U	65 U	65 U
Benzo[a]pyrene		50-32-8	μg/kg	65 U	65 U	65 U	65 U	66 U	66 U	66 U	66 U	65 U	65 U	65 U	66 U	66 U	85	66 U	65 U	65 U
Benzo[b]fluoranthe	ene :	205-99-2	μg/kg	65 U	65 U	65 U	65 U	66 U	66 U	66 U	66 U	65 U	65 U	65 U	66 U	66 U	98	66 U	65 U	65 U
Benzo[g,h,i]peryler	ne	191-24-2	μg/kg	65 U	65 U	65 U	65 U	66 U	66 U	66 U	66 U	65 U	65 U	65 U	66 U	66 U	26 J	66 U	65 U	65 U
Benzo[k]fluoranthe	ene		μg/kg		65 U	65 U	65 U	66 U	66 U	66 U	66 U	65 U	65 U	65 U	66 U	66 U	100	66 U	65 U	65 U
Chrysene			μg/kg		65 U	65 U	65 U	66 U	66 U	66 U	66 U	65 U	65 U	65 U	66 UJ	66 U	210	66 U	65 U	65 U
Dibenz(A,H)Anthra			μg/kg	65 U	65 U	65 U	65 U	66 U	66 U	66 U	66 U	65 U	65 U	65 U	66 U	66 U	36 J	66 U	65 U	65 U
Fluoranthene			μg/kg	160	65 U	65 U	65 U	66 U	66 U	66 U	66 U	65 U	65 U	65 U	66 U	66 U	760	66 U	65 U	65 U
Fluorene			μg/kg	34 J	65 U	65 U	65 U	66 U	66 U	66 U	66 U	65 U	65 U	65 U	66 U	66 U	110	66 U	65 U	65 U
Indeno(1,2,3-C,D)P	· — —		μg/kg		65 U	65 U	65 U	66 U	66 U	66 U	66 U	65 U	65 U	65 U	66 U	66 U	36 J	66 U	65 U	65 U
Naphthalene			μg/kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
Phenanthrene			μg/kg	130	91 U	90 U	91 U	93 U	92 U	92 U	93 U	46 J	91 U	91 U	93 U	93 U	190	93 U	91 U	91 U
Pyrene		129-00-0	μg/kg	65 U	65 U	65 U	65 U	66 U	66 U	66 U	66 U	65 U	65 U	65 U	66 UJ	66 U	320	66 U	65 U	65 U
Organotins				ı			ı					,	1			,				
Monobutyltin Catio			μg/kg					0.26 J	0.34 J									0.97 U	0.98 U	
Dibutyltin cation			μg/kg					0.96 U	0.93 U									0.97 U	0.98 U	
Tributyltin cation	3	6643-28-4	μg/kg					0.96 U	0.93 U									0.97 U	0.98 U	

Notes:

-- = not collected/analyzed

% = percent

μg/kg = micrograms per kilogram

NA = not available

ng/g = nanograms per gram

SVOC = semi-volatile organic compound

TF = Fish Tissue

TI = Tissue

TOC = total organic carbon

